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Vim实用技巧

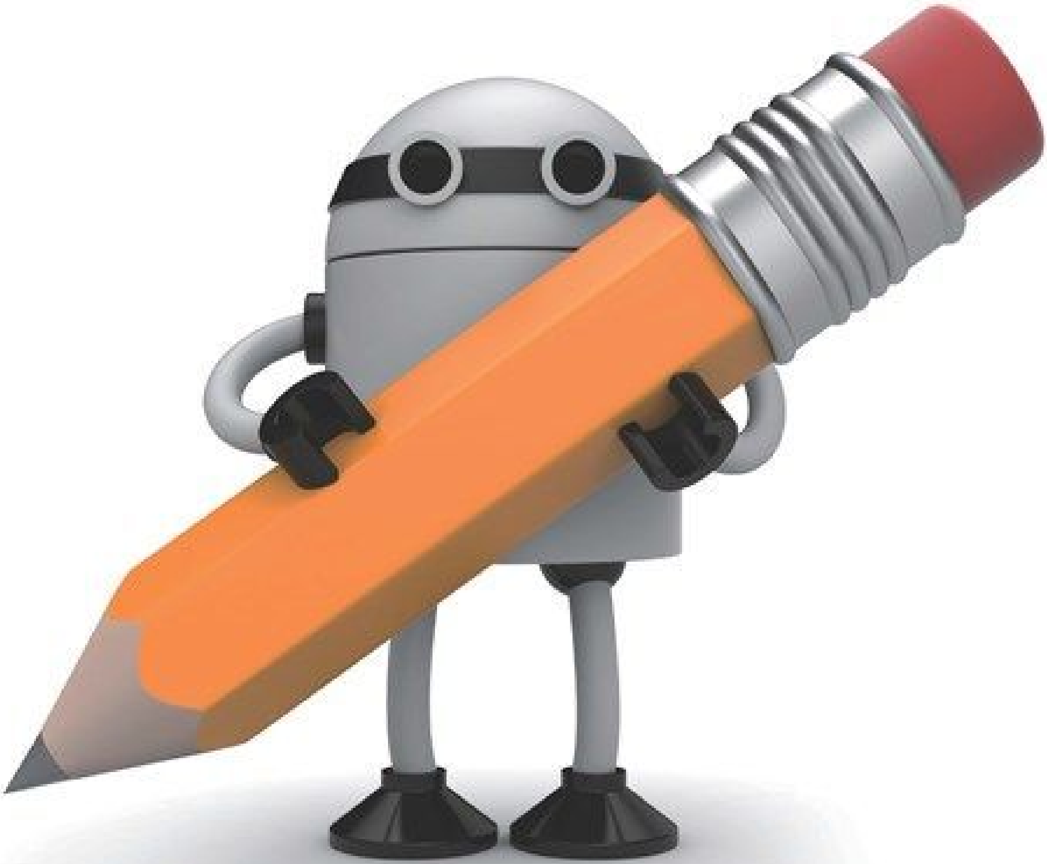
（第2版）

Practical Vim

Edit Text at the Speed of Thought

[英] Drew Neil 著

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中国工信出版集团 人民邮电出版社
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➤ Mathias Meyer □Riak □□□□□□

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Tim Pope

Vim [illegible]

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[illegible]

[illegible]

[illegible]Vim[illegible]

[illegible]

[illegible]Vim[illegible]1[illegible] `.` [illegible] `.` [illegible] `:substitute`[illegible]

[illegible]“[illegible]”[illegible]

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[1] http://vimhelp.appspot.com/usr_01.txt.html#vimtutor

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Tim Pope[illegible]rails.vim[illegible] Vim [illegible]Vim[illegible]Kana Natsuno[illegible]Vim[illegible]Vim[illegible]“[illegible]”[illegible]

[illegible]Joe Rozner [illegible] wakeup [illegible] :make [illegible]Oleg Efimov[illegible]nodeline[illegible]Ben Cormack[illegible]robots[illegible]ninjas[illegible]

2012 [illegible] 1 [illegible] Gregor Schmidt [illegible] Vim [illegible]Schulz-Hofen [illegible] Vim [illegible] Vim [illegible] Daniel [illegible] Nina Holle [illegible]

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[illegible]Vim[illegible]

[illegible]Vim[illegible]Vim[illegible]“[illegible]”[illegible]Vim[illegible]“[illegible]”[illegible]:h vimtutor [illegible]

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[illegible] Vim[illegible]

[illegible] :h vimtutor[illegible]:h[illegible] :help[illegible] vimtutor[illegible]URL[illegible] help [illegible] Vim [illegible]

[illegible]Vim[illegible]

Vim [illegible]Qwerty [illegible]Qwerty[illegible]

[illegible]Vim[illegible]Qwerty[illegible]

`Ctrl-s` [illegible]“[illegible] s [illegible]”[illegible]Vim[illegible]Vim[illegible]

[illegible]

[illegible]

[illegible]	[illegible]
x	[illegible] **x**
dw	[illegible] **d**[illegible]**w**
dap	[illegible] **d**[illegible]**a**[illegible]**p**

[illegible]3[illegible] Vim [illegible]

[illegible]

[illegible] `<C-p>` [illegible]“[illegible] <[illegible] C[illegible] -[illegible]”[illegible]`<C-p>` [illegible]`Ctrl-p`[illegible]“[illegible] `<Ctrl>` [illegible] p”[illegible]

[illegible]Vim [illegible]`:h key-notation` [illegible] Vim [illegible]

[illegible]	[illegible]
<C-n>	**[illegible] <Ctrl> [illegible] n**
g<C-]>	**[illegible] g[illegible] <Ctrl> [illegible]]**
<C-r>0	**[illegible] <Ctrl> [illegible] r[illegible] 0**
<C-w><C-=>	**[illegible] <Ctrl> [illegible] w[illegible] <Ctrl> [illegible] =**

[illegible]

[illegible]Vim[illegible]

[illegible]	[illegible]
f{char}	[illegible] **f**[illegible]
`{a-z}	[illegible] **`**[illegible]
m{a-zA-Z}	[illegible] **m**[illegible]
d{motion}	[illegible] **d**[illegible]
<C-r>{register}	[illegible] **<Ctrl>** [illegible] **r**[illegible]

[illegible]

[illegible]

[illegible]	[illegible]
<Esc>	[illegible]
<CR>	[illegible] **<Enter>**
<Ctrl>	[illegible]
<Tab>	[illegible]
<Shift>	[illegible]
<S-Tab>	[illegible] **<Shift>** [illegible] **<Tab>**
<Up>	[illegible]
<Down>	[illegible]
␣	[illegible]

> [illegible]␣ [illegible] `f{char}` [illegible] `f␣`[illegible]

[illegible]

[illegible]Vim[illegible]Vim[illegible]

[illegible] cwreplacement<Esc>[illegible] cw [illegible]“replacement”[illegible] <Esc> [illegible]

[illegible]

[illegible]

[illegible] shell[illegible] Vim[illegible] shell [illegible] grep [illegible]

```
⇒ $ grep -n Waldo *
```

[illegible] Vim [illegible] :grep [illegible]

```
⇒ :grep Waldo *
```

[illegible]$[illegible] shell [illegible]: [illegible]

[illegible]	[illegible]
$	[illegible] shell [illegible]
:	[illegible] Ex [illegible]
/	[illegible]

[illegible]	[illegible]
?	[illegible]
=	[illegible] Vim [illegible]

[illegible] Ex [illegible] :write[illegible] <CR> [illegible] <CR> [illegible] Ex [illegible]

[illegible]Vim [illegible] <CR> [illegible]82[illegible] /pattern<CR>[illegible] <CR> [illegible] <CR> [illegible]

[illegible]

[illegible]“One”[illegible]

```
One two three
```

[illegible]

[illegible]	[illegible]
{start}	**O**ne two three
dw	**t**wo three

[illegible]2[illegible]dw[illegible]

[illegible]

[illegible] Vim [illegible]“the”[illegible]4[illegible]

[illegible]	[illegible]
{start}	**t**he problem with these new recruits is that they don't keep their boots clean.
/the**<CR>**	**the** problem with **the**se new recruits is that **the**y don't keep **the**ir boots clean.

[illegible]81[illegible] Vim [illegible]

[illegible]

[illegible]it [illegible] <a> [illegible]

[illegible]	[illegible]
{start}	<a **h**ref="http://pragprog.com/dnvim/">Practical Vim
vit	**Practical Vim**

[illegible]

[illegible]

[illegible]

macros/incremental.txt

```
partridge in a pear tree
turtle doves
French hens
calling birds
golden rings
```

[illegible] Vim [illegible]Vim[illegible]

[illegible]Pragmatic Bookshelf[illegible][1][illegible]

[illegible]Vim[illegible]

Vim [illegible] Vim [illegible] Vim[illegible]

```
⇒ $ vim -u NONE -N
```

`-u NONE` [illegible] Vim [illegible]`vimrc`[illegible] `vimrc` [illegible]Vim[illegible] `vi` [illegible]`-N` [illegible] `'nocompatible'` [illegible] `vi` [illegible]

[illegible] `vim -u NONE –N`[illegible] Vim[illegible]Vim[illegible] Vim [illegible] Vim [illegible]

essential.vim

```
set nocompatible
filetype plugin on
```

□□□ Vim □□□□□□□□□□□□□□□□□□□□ vimrc□

```
⇒ $ vim -u code/essential.vim
```

□□□□□□□□□□□□□ code/essential.vim □□□□□□□□□□Vim□□□□□□□□□□□□□□□□ netrw□□□□□□44□□omni-completion□□□□□119□□□□□□□□□□□□□□□□□□□□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□ vi □□□□□□□□□

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□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□□□□□--with-features=tiny□□□□□□□□□□□□□□□□□□□□□□□□Vim□□□□□□□

small□normal□big□ huge□□□□□□ :h +feature-list ⓘ□□□□□□□□□□□

□□□□□□□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ Vim □□□□□□□ :version□□□□□□□□□□□□

```
⇒ :version

□  VIM - Vi IMproved 7.4 (2013 Aug 10, compiled Oct 14 2015
18:41:08)
    Huge version without GUI. Features included (+) or not (-):
    +arabic +autocmd +balloon_eval +browse +builtin_terms
+byte_offset
    +cindent +clientserver +clipboard +cmdline_compl +cmdline_hist
    +cmdline_info +comments
     ...
```

□□□□□□□□□□□□□ Vim □ huge □□□□

□□□ Vim □□□□□Vim□□□□□□

□□□□Vim□□□□□□□□□□□□□□□□GUI□□□□□□□□Vim□□TUI□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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[1] http://pragprog.com/titles/dnvim/source_code

[illegible]1[illegible] Vim[illegible]

[illegible]

Vim[illegible]Vim[illegible]

[illegible] . [illegible]Vim[illegible]Vim[illegible] . [illegible]

[illegible]1　[illegible] . [illegible]

> . [illegible]Vim[illegible]

Vim[illegible] . [illegible]“[illegible]”[illegible] :h . ⓘ[illegible]Vim[illegible]“[illegible]”

[illegible] . [illegible]“[illegible]”[illegible]

[illegible]

the_vim_way/0_mechanics.txt

```
Line one
Line two
Line three
Line four
```

x [illegible] . [illegible]“[illegible]”[illegible]Vim[illegible]

[illegible]	[illegible]
{start}	**L**ine one
	Line two
	Line three

□□□□	□□□□□
	Line four
×	ine one
	Line two
	Line three
	Line four
.	**n**e one
	Line two
	Line three
	Line four
..	one
	Line two
	Line three
	Line four

□□□□□□□□ u □□□□□□□□□□□□□□□□□□

dd [illegible] dd [illegible] . [illegible]“[illegible]”[illegible]Vim[illegible]

[illegible]	[illegible]
{start}	**L**ine one
	Line two
	Line three
	Line four
dd	**L**ine two
	Line three
	Line four
.	**L**ine three
	Line four

[illegible]>G [illegible] . [illegible]“[illegible]”[illegible]Vim[illegible]

[illegible]	[illegible]

[illegible]	[illegible]
{start}	Line one
	Line two
	Line three
	Line four
>G	Line one
	Line two
	Line three
	Line four
j	Line one
	Line two
	Line three
	Line four
.	Line one
	Line two

□□□□	□□□□□
	Line three
	Line four
j.	Line one
	Line two
	Line three
	Line four

x□dd□□ > □□ i□□□□□□□□□□□□□□□□ <Esc>□□Vim□□□□□□□□□□□□□□□□□□□□□□ . □□□□□□□□□□□□□□□□□□□□□□□□□8□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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> □□□□□□

□□□□□JavaScript□□□□

the_vim_way/2_foo_bar.js

```
var foo = 1
var bar = 'a'
var foobar = foo + bar
```

□□□
$ □□□□□□□□□□□□□□□□ a;<Esc> □□□□□

□□ .
□□□□□□□□□□□□□□□□□□□□□□□□□□ j$.□□□□.□□3□□a;
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[illegible]	[illegible]
{start}	**v**ar foo = 1
	var bar = 'a'
	var foobar = foo + bar
A;	var foo = 1**;**
	var bar = 'a'
	var foobar = foo + bar
j	var foo = 1;
	var bar = '**a**'
	var foobar = foo + bar
.	var foo = 1;
	var bar = 'a'**;**
	var foobar = foo + bar
j.	var foo = 1;
	var bar = 'a';

[illegible]	[illegible]
	var foobar = foo + bar**;**

[illegible] A [illegible] $a [illegible] . [illegible] j. [illegible]

[illegible]

[illegible] 50 [illegible] j. [illegible] 30 [illegible]

[illegible]

[illegible] A [illegible] $a [illegible] Vim [illegible]

[illegible]	[illegible]
C	**c$**
s	**cl**
S	**^C**
I	**^i**

[illegible]	[illegible]
A	**$a**
o	**A**
O	**ko**

[illegible] ko[illegible] k$a[illegible]O [illegible]

[illegible] . [illegible]

[illegible]3 [illegible]

> [illegible]Vim[illegible]

[illegible]

the_vim_way/3_concat.js

```
var foo = "method("+argument1+","+argument2+")";
```

[illegible]JavaScript[illegible] + [illegible]

```
var foo = "method(" + argument1 + "," + argument2 + ")";
```

[illegible]

[illegible]

[illegible]	[illegible]
{start}	**v**ar foo = "method("+argument1+","+argument2+")";
f+	var foo = "method("**+**argument1+","+argument2+")";
s␣+**␣**	var foo = "method(" + argument1+","+argument2+")";

[illegible]	[illegible]
;	var foo = "method(" + argument1+","+argument2+")";
.	var foo = "method(" + argument1 + ","+argument2+")";
;.	var foo = "method(" + argument1 + "," + argument2+")";
;.	var foo = "method(" + argument1 + "," + argument2 + ")";

s [illegible] + [illegible] ␣+␣ [illegible]

[illegible] . [illegible] + [illegible] . [illegible]

[illegible]

[illegible] f{char} [illegible] Vim [illegible] :h f [illegible] f+ [illegible] + [illegible] 50 [illegible] f{char} [illegible]

[illegible] f+ [illegible] + [illegible] ; [illegible] f [illegible] 4 [illegible] f+ [illegible] 3 [illegible] ; [illegible]

[illegible]

; [illegible] . [illegible] 3 [illegible] ;. [illegible]

[illegible]Vim[illegible]

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> □□
> Vim□□□
> □□□□□□□ Vim □□□□□□□□□□□□□□□□□□□□□□□

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□1-1　□□□□□□□□□□

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□□□□□□	{edit}	**.**	**u**

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	**f{char}/t{char}**	**;**	**,**
[illegible]	**F{char}/T{char}**	**;**	**,**
[illegible]	/pattern	**n**	**N**
[illegible]	?pattern	**n**	**N**
[illegible]	:s/target/replacement	**&**	**u**
[illegible]	**qx{changes}q**	**@x**	**u**

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> Vim□□□□□ :substitute □□□. □□□

□□□□□□□□□□□□□□□□“content”□

the_vim_way/1_copy_content.txt

```
...We're waiting for content before the site can go live...
...If you are content with this, let's go ahead with it...
...We'll launch as soon as we have the content...
```

□□□□□“copy”□□□□“copywriting”□□□□“content”□□□□□□□□□□□□□□□□□□□□□□□□□□□□

⇛:%s/content/copy/g

□□□□□□□□□□□□□□□□□□□□□“If you are ‘copy’ with this,”□□□□□□□□□□

□□□□□□□□□□□□“content”□□□□□□□□□□“copy”□□□□□□□□'kon'tɛnt□□□□□“happy”□□□□□□□kən'tent□□□

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[illegible]. [illegible]Vim[illegible] [illegible] `:h `ⓘ[illegible]

[illegible]“content”[illegible]

⇛ /content

[illegible] * [illegible]

[illegible]	[illegible]
{start}	...We're waiting for content before the site can go live...
	...If you are content with this, let's go ahead with it...
	...We'll launch as soon as we have the content...
*****	...We're waiting for **content** before the site can go live...
	...If you are **content** with this, let's go ahead with it...
	...We'll launch as soon as we have the **content**...
cwcopy<Esc>	...We're waiting for **content** before the site can go live...
	...If you are **content** with this, let's go ahead with it...
	...We'll launch as soon as we have the cop**y**...

[illegible]	[illegible]
n	...We're waiting for **content** before the site can go live...
	...If you are **content** with this, let's go ahead with it...
	...We'll launch as soon as we have the copy...
.	...We're waiting for cop**y** before the site can go live...
	...If you are **content** with this, let's go ahead with it...
	...We'll launch as soon as we have the copy...

[illegible]“content”[illegible] * [illegible] `:set hls`[illegible]81[illegible]

[illegible]“content”[illegible] n [illegible] `*nn` [illegible]

[illegible]

[illegible]“content”[illegible]“content”[illegible]cw [illegible]“copy”[illegible]Vim[illegible] `cwcopy<Esc>` [illegible] `.` [illegible]“copy”[illegible]

[illegible]

[illegible] n [illegible]“content”[illegible] . [illegible]“copy”[illegible]

[illegible] n.n.n. [illegible] :%s/content/copy/g [illegible] n [illegible]“copy”[illegible] . [illegible] n [illegible]

[illegible]6 [illegible] . [illegible]

[illegible]3[illegible] . [illegible]——[illegible]“ . [illegible]”[illegible]

[illegible]3[illegible] . [illegible]

[illegible]2[illegible] A;<Esc> [illegible] . [illegible] j [illegible] j. [illegible]

[illegible]3[illegible] + [illegible] f+ [illegible] s[illegible]3[illegible] ;. [illegible]

[illegible]5[illegible]“content”[illegible]“copy”[illegible] * [illegible] cw [illegible] n [illegible] . [illegible] n. [illegible]

[illegible]

[illegible] . [illegible]

[illegible]“. [illegible]”[illegible]

[illegible]

Vim[illegible]Vim[illegible]mode[illegible]

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[illegible]7 [illegible]

> [illegible]Vim[illegible]Vim[illegible]Vim[illegible]-[illegible]

[illegible]

[illegible]

[illegible]Vim[illegible]Vim[illegible]

[illegible]

[illegible]8 [illegible]

> [illegible]Vim [illegible]

u [illegible] i{insert some text}<Esc> [illegible]

[illegible]

[illegible]Vim[illegible] <Esc> [illegible]

[illegible]“[illegible]”[illegible]Vim[illegible] A [illegible]

[illegible] u [illegible]

[illegible] <CR>[illegible]
<Esc>o[illegible]Vim[illegible]

[illegible]“[illegible]”[illegible]

[illegible]

[illegible] <Up>[illegible]<Down>[illegible]<Left>[illegible] <Right> [illegible] h [illegible]j [illegible]k [illegible] l [illegible] . [illegible]

[illegible]9 [illegible]

> Vim[illegible]

[illegible]Vim[illegible]VimGolf [1][illegible]

[illegible]“h”[illegible]“nigh”[illegible]

normal_mode/the_end.txt

```
The end is nigh
```

[illegible]

[illegible]

[illegible]	[illegible]
{start}	The end is nig**h**
db	The end is **h**
x	The end is█

[illegible] db [illegible] “h”[illegible] x [illegible] Vim[illegible]3[illegible]

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□□□□	□□□□□
{start}	The end is nig**h**
b	The end is **n**igh
dw	The end is█

□□ b □□□□□□□□□□□□□□□□□□ dw □□□□□□□□□□Vim
□□□□□3□□

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□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ aw □□
□□text object□□□□□□□□□□ :h aw ⓘ□□

□□□□	□□□□□
{start}	The end is nig**h**
daw	The end i**s**

□□□ daw □□□□“delete a word”□□□□□□□□□□52□□53□□
□□□□□□□□□□

[illegible]

[illegible]3[illegible]dbx[illegible]bdw [illegible] daw[illegible]Vim[illegible]3[illegible]“[illegible]”

[illegible]Vim[illegible]3[illegible] . [illegible]

[illegible]db [illegible]x [illegible] . [illegible] . = = x [illegible]

[illegible]b [illegible] dw [illegible] . [illegible]dw[illegible]“[illegible]”[illegible] . [illegible]. = = dw[illegible]

[illegible]daw[illegible]“is”[illegible] . [illegible] . [illegible]. = = daw[illegible]

[illegible]

daw [illegible] . [illegible]

[illegible] . [illegible] . [illegible] Vim [illegible]“[illegible]”[illegible]

[illegible] . [illegible] . [illegible]

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`<C-a>` □ `<C-x>` □□5□□□□ `10<C-a>` □□□□□□15□

□□□□□□□□□□□□□□□□□□□□□□ `<C-a>` □□□“□□□□□□□□□□□□□□□[count]”□□□ `:h ctrl-a` □□□□□□□□□□□□□□□□□ `<C-a>` □□□

□□□□□CSS□□□

normal_mode/sprite.css

```
.blog, .news { background-image: url(/sprite.png); }
.blog { background-position: 0px 0px }
```

□□□□□□□□□□□□□□□□□□□□□“news”□□□□“blog”□□□□“0px”□□“-180px”□□□□□ `yyp` □□□□□□□□□ `cW` □□□□□□□□□□□□□□□□□□□□□

□□□□□□ `f0` □□□□□□□□□□□□□□□□□□□□□□□ `i-18<Esc>`□□□□□□ `180<C-x>` □□□

□□□□	□□□□□

[illegible]	[illegible]
{start}	.blog, .news { background-image: url(/sprite.png); }
	.blog { background-position: 0px 0px }
yyp	.blog, .news { background-image: url(/sprite.png); }
	.blog { background-position: 0px 0px }
	.blog { background-position: 0px 0px }
cW.news<Esc>	.blog, .news { background-image: url(/sprite.png); }
	.blog { background-position: 0px 0px }
	.new**s** { background-position: 0px 0px }
180<C-x>	.blog, .news { background-image: url(/sprite.png); }
	.blog { background-position: 0px 0px }
	.news { background-position: -18**0**px 0px }

[illegible]10[illegible]180[illegible]-180[illegible]-360[illegible]180<C-x> [illegible]11[illegible]

[illegible]

007[illegible]·[illegible]007[illegible]1[illegible]

[illegible]008[illegible]0[illegible] <C-a> [illegible]Vim[illegible]0[illegible]007 + 001 = 010[illegible]10[illegible]8[illegible]

[illegible]Vim[illegible]vimrc[illegible]

```
set nrformats=
```

[illegible]Vim[illegible]0[illegible]

[illegible]11 [illegible]

> [illegible]

[illegible]

```
Delete more than one word
```

[illegible]“Delete one word”[illegible]

[illegible]d2w [illegible] 2dw [illegible] d2w[illegible] 2w [illegible]“[illegible]”[illegible] 2dw [illegible]“[illegible]”[illegible]

[illegible]dw.[illegible]“[illegible]”[illegible]

[illegible]3[illegible] d2w[illegible]2dw [illegible] dw. [illegible]3[illegible]

[illegible]d2w [illegible] 2dw [illegible] u [illegible] . [illegible]

[illegible] dw. [illegible] u [illegible] . [illegible] dw[illegible] uu[illegible] 2u[illegible] . [illegible]

[illegible]3[illegible]2[illegible] d2w [illegible] d3w[illegible] . [illegible]4[illegible]ud3w[illegible]dw[illegible]

[illegible] dw. [illegible] . [illegible] dw[illegible]u [illegible] . [illegible]

[illegible]7[illegible] d7w[illegible] dw......[illegible] dw [illegible]6[illegible] . [illegible]

[illegible]6[illegible] . [illegible] . [illegible] u [illegible]

[illegible]4[illegible]

[illegible]

[illegible]“I have a couple of questions”[illegible]“I have some more questions”[illegible]

[illegible]	[illegible]
{start}	I have **a** couple of questions.
c3wsome more<Esc>	I have some mor**e** questions.

[illegible] . [illegible] . [illegible] i [illegible] cw[illegible]

[illegible] u [illegible]8[illegible]

[illegible]d5w[illegible]dw....[illegible]

[illegible]12 [illegible]

> Vim[illegible]

[illegible] + [illegible] = [illegible]

d{motion} [illegible]dl[illegible]daw[illegible]dap[illegible]c{motion}[illegible]y{motion} [illegible]operator[illegible] :h operator ⓘ [illegible]2-1[illegible]

g~[illegible]gu [illegible] gU [illegible] g [illegible]“[illegible]”[illegible]

[illegible]Vim[illegible]

[illegible] daw [illegible] gU [illegible] :h gU ⓘ [illegible] gUaw [illegible] ap [illegible] dap [illegible] gUap [illegible]

Vim[illegible] dd [illegible] >> [illegible]gU [illegible] gUgU [illegible] gUU [illegible]

[illegible]2-1 Vim[illegible]

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c	□□
d	□□
y	□□□□□□
g~	□□□□□
gu	□□□□□
gU	□□□□□
>	□□□□
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Kana Natsuno□textobj-entire□□□□□□□□□□□□[3]□□□Vim□□□□□□□□□□□ `ie` □ ae□□□□□□□□□□□□□

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> [illegible]Vim[illegible] <Esc> [illegible]
>
> [illegible] `:h g` ⓘ[illegible]`:h z` ⓘ[illegible]`:h ctrl-w` ⓘ[illegible] `:h [` ⓘ[illegible]namespace[illegible]
>
> [illegible]Vim[illegible]

---

[1] http://vimgolf.com/

[2] https://github.com/tpope/vim-commentary

[3] https://github.com/kana/vim-textobj-entire

[illegible]3[illegible] [illegible]

[illegible]Vim[illegible]Vim[illegible]

[illegible]-[illegible]

[illegible]19[illegible]

[illegible]13 [illegible]

> [illegible]

[illegible]

[illegible]

[illegible]60[illegible]1[illegible]

[illegible] A [illegible]1[illegible]

[illegible]

[illegible]	[illegible]
<C-h>	[illegible]
<C-w>	[illegible]
<C-u>	[illegible]

[illegible]Vim[illegible]Vim[illegible] bash shell[illegible]

[illegible]14 [illegible]

> [illegible]

[illegible] <Esc> [illegible] <C-[> [illegible] <Esc> [illegible] :h i_CTRL-[ⓘ][illegible]

[illegible]	[illegible]
<Esc>	[illegible]
<C-[>	[illegible]
<C-o>	[illegible]-[illegible]

Vim[illegible]Vim[illegible]Vim[illegible]-[illegible]

[illegible]-[illegible]

[illegible]-[illegible]-[illegible] <C-o>[illegible] :h i_CTRL-``O ⓘ[illegible]

[illegible] zz [illegible] <C-
o>zz[illegible]-[illegible]
[illegible]

[illegible]15 [illegible]

> Vim[illegible]

[illegible]

insert_mode/practical-vim.txt

```
Practical Vim, by Drew Neil
Read Drew Neil's
```

> [illegible]Caps Lock[illegible]
>
> [illegible]Vim[illegible]k[illegible]j[illegible]K[illegible]J[illegible]K[illegible] `:h K`` ⓘ[illegible]J[illegible] `:h J` ⓘ[illegible]
>
> [illegible]Vim[illegible] <Esc> [illegible] <Ctrl>[illegible]<Esc> [illegible] <Esc> [illegible]Vim[illegible] <Esc> [illegible] <Ctrl> [illegible] <C-[> [illegible] <Esc> [illegible] <Ctrl> [illegible] Vim[illegible] <Ctrl>[illegible]
>
> [illegible]OS X[illegible]Linux[illegible]Windows[illegible]

> [illegible]Google[illegible]Vim[illegible]
> [illegible]

[illegible]
[illegible]

[illegible]	[illegible]
yt,	**P**ractical Vim, by Drew Neil Read Drew Neil's
jA␣	Practical Vim, by Drew Neil Read Drew Neil's █
<C-r>0	Practical Vim, by Drew Neil Read Drew Neil's Practical Vim█
.<Esc>	Practical Vim, by Drew Neil Read Drew Neil's Practical Vim**.**

`yt,` [illegible]“Practical Vim”[illegible]50[illegible]
`t{char}` [illegible] `<C-r>0` [illegible]
[illegible]10[illegible]

[illegible] `<C-r>{register}`[illegible] `{register}``` [illegible]
[illegible] `:h i_CTRL-R` ⓘ [illegible]

[illegible] <C-r>{register} [illegible]

[illegible] `<C-r>{register}` [illegible]
[illegible]Vim[illegible]

[illegible] ‘textwidth’ [illegible]
‘autoindent’ [illegible]

<C-r><C-p>{register} [illegible] :h i_CTRL-R_CTRL-P`` [illegible]
[illegible]63[illegible]

[illegible]16 [illegible]

> [illegible]

[illegible]Vim[illegible]

[illegible]Vim[illegible]1 + 1[illegible]2[illegible]

[illegible] = [illegible] <C-r>=[illegible] <CR>[illegible]Vim[illegible]

[illegible]

insert_mode/back-of-envelope.txt

```
6 chairs, each costing $35, totals $
```

[illegible]Vim[illegible]

[illegible]	[illegible]
A	6 chairs, each costing $35, totals $█

[illegible]	[illegible]
<C-r>=6*35**<CR>**	6 chairs, each costing $35, totals $210█

[illegible]71[illegible]

[illegible]17 [illegible]

> Vim[illegible]Character Code[illegible]

[illegible]Vim[illegible] `<C-v>{code}` [illegible] `{code}`[illegible]

Vim[illegible]3[illegible]“A”[illegible]65[illegible] `<C-v>065`[illegible]

[illegible]3[illegible]Unicode[illegible]Unicode Basic Multilingual Plane[illegible]65 535[illegible]4[illegible] `<C-v>u{1234}` [illegible] `u` [illegible]00bf[illegible]“¿”[illegible] `<C-v>u00bf` [illegible] `:h i_CTRL-V_digit``` ⓘ [illegible]

[illegible] `ga` [illegible] `:h ga` ⓘ [illegible]unicode[illegible]

[illegible] `<C-v>` [illegible] ‘`expandtab`’ [illegible] `<Tab>` [illegible] `<C-v><Tab>` [illegible] ‘`expandtab`’ [illegible]

[illegible]3-1[illegible]

[illegible]3-1 [illegible]

[illegible]	[illegible]

[illegible]	[illegible]
<C-v>{123}	[illegible]
<C-v>u{1234}	[illegible]
<C-v>{nondigit}	[illegible]
<C-k>{char1}{char2}	[illegible]**{char1}{char2}**[illegible]

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> □□Vim□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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Vim□□□<<□>>□□□□□□□□□□□□□½□¼□¾□□□□□□□12□14□34□□□Vim□□□□□□□□□□□□□□□ `:h digraphs-default` □□□□□□□□□

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[illegible]19 [illegible]

> [illegible]

[illegible]

insert_mode/replace.txt

```
Typing in Insert mode extends the line. But in Replace mode
the line length doesn't change.
```

[illegible]“But”[illegible]“B”[illegible]

[illegible]	[illegible]
{start}	**T**yping in Insert mode extends the line. But in Replace mode the line length doesn't change.
f.	Typing in Insert mode extends the line**.** But in Replace mode the line length doesn't change.
R,␣b<Esc>	Typing in Insert mode extends the line, **b**ut in Replace mode the line length doesn't change.

[illegible] R [illegible]“,␣b”[illegible]“.``␣``B”[illegible] <Esc> [illegible]

`<Insert>` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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□□ ‘`tabstop`’ □□□□□□ `:h 'tabstop'` ⓘ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ ‘`tabstop`’ □□□□8□□□□□□□□□□□□□□□□8□□□□□□□□□□□□□□□□□□□□□

□□Vim□□□□□□□□□□□□□□□□□virtual replace mode□□□□□□ gR □□□□□□□□□□□□□□□□□□□□□□□□□□□□□8□□□□□□□□□□□□□□□□□□□□7□□□□□□□□□□□□□□□□□□□□□□□8□□□□□□□□□□□□□□

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Vim□□□□□□□□□□□□□□□□□□`r{char}` □ `gr{char}` □□□□□□□□□□□□□□□□□□□□□ `:h r` ⓘ □□

[illegible]4[illegible] [illegible]

Vim[illegible]Vim[illegible]20[illegible]

Vim[illegible]3[illegible]21[illegible]

[illegible] . [illegible]

[illegible]3[illegible]

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> Vim□□□□□□□□□□□□□□□

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[illegible] c [illegible]
[illegible]“April”[illegible] c [illegible]

> [illegible]
>
> [illegible]Vim[illegible]Select Mode[illegible]Vim[illegible]“[illegible]Microsoft Windows[illegible]”[illegible] `:h Select-mode` ⓘ [illegible]Vim[illegible]
>
> [illegible] `<C-g>` [illegible] “-- [illegible] --”[illegible]-- VISUAL --[illegible]“--[illegible]--”[illegible]--SELECT--[illegible] c [illegible]
>
> [illegible] Vim [illegible]Vim[illegible] TextMate [illegible] snippet [illegible]

[illegible]21 [illegible]

> [illegible]3[illegible]

Vim[illegible]3[illegible]24[illegible]25[illegible]26[illegible]

[illegible]

v [illegible] v [illegible] V[illegible]v[illegible]Shift[illegible] <C-v>[illegible]v[illegible]Ctrl[illegible]

[illegible]	[illegible]
v	[illegible]
V	[illegible]
<C-v>	[illegible]
gv	[illegible]

gv [illegible]gv [illegible]

[illegible]

[illegible] V [illegible] <C-v> [illegible] v[illegible] v [illegible]V [illegible] <C-v> [illegible] <Esc> [illegible] <C-[> [illegible]

[illegible]	[illegible]
<Esc> / **<C-[>**	[illegible]
v / **V** / **<C-v>**	[illegible]
V	[illegible]
V	[illegible]
<C-v>	[illegible]
O	[illegible]

[illegible]

[illegible] o [illegible]

[illegible] o[illegible]

[illegible]	[illegible]
{start}	Select from here to **h**ere.
vbb	Select from **here to h**ere.
o	Select from **here to h**ere.
e	Select from **here to here**.

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□□□□Python□□□□□□□□□□

visual_mode/fibonacci-malformed.py

```
def fib(n):
      a, b = 0, 1
      while a < n:
print a,
a, b = b, a+b
fib(42)
```

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□□□ < □ > □□□□□□□□□□ ‘shiftwidth’ □ ‘softtabstop’ □□□□4□□□□ ‘expandtab’ □□□□□□□□□□□□□□□□□□□□□□□□□ Vimcasts.org[1]□□“Tabs and Spaces”□□□□□□□□□□□□□□□□□□

⇛ :set shiftwidth=4 softtabstop=4 expandtab

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<table>
<tr><th>□□□□</th><th>□□□□□</th></tr>
<tr><td>{start}</td><td><pre>def fib(n):
        a, b = 0, 1
        while a < n:
print a,
a, b = b, a+b
fib(42)</pre></td></tr>
<tr><td>Vj</td><td><pre>def fib(n):
        a, b = 0, 1
        while a < n:
print a,
a , b = b, a+b
fib(42)</pre></td></tr>
<tr><td>>.</td><td><pre>def fib(n):
        a, b = 0, 1
        while a < n:
                print a,
                a, b = b, a+b
fib(42)</pre></td></tr>
</table>

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[illegible] . [illegible]

[illegible]23 [illegible]

> [illegible]Vim[illegible].
> [illegible]

[illegible]

visual_mode/list-of-links.html

```
<a href="#">one</a>
<a href="#">two</a>
<a href="#">three</a>
```

[illegible] `vit` [illegible]`vit` [illegible]visually select inside the tag[illegible]`it` [illegible]text object[illegible]52[illegible]

[illegible]

[illegible] `U` [illegible] `:h v_U` [illegible]4-1[illegible]

[illegible]

[illegible]4-1 [illegible]

[illegible]	[illegible]
{start}	**<**a href="#">one two three

[illegible]	[illegible]
vit	**one** two three
U	**O**NE two three

[illegible] `j.` [illegible]

```
<a href="#">ONE</a>
<a href="#">TWO</a>
<a href="#">THRee</a>
```

[illegible] `:h visual-repeat` [illegible] 3 [illegible] 3 [illegible] 5 [illegible] 3 [illegible] 2 [illegible]

[illegible]

[illegible] `U` [illegible] `gU{motion}` [illegible] `:h gU` [illegible] 4-2 [illegible]

[illegible] 4-2 [illegible]

[illegible]	[illegible]
{start}	**<**a href="#">one two three

[illegible]	[illegible]
gUit	**O**NE two three
j.	ONE **T**WO three
j.	ONE TWO **T**HREE

[illegible]

[illegible]4[illegible]vitU [illegible] gUit[illegible]4[illegible]vit [illegible] U [illegible]gUit [illegible]gU[illegible]it[illegible]

[illegible]

[illegible]Vim[illegible]

[illegible]24 [illegible]

> [illegible]Vim[illegible]

[illegible]

visual_mode/chapter-table.txt

```
Chapter            Page
Normal mode          15
Insert mode          31
Visual mode          44
```

[illegible]4-3[illegible]

[illegible]4-3 [illegible]

[illegible]	[illegible]
{start}	Chapter Page Normal mode 15 Insert mode 31 Visual mode 44
<C-v>3j	Chapter Page Normal mode 15 Insert mode 31 Visual mode 44

[illegible]	[illegible]
x...	Chapter █ Page Normal mode 15 Insert mode 31 Visual mode 44
gv	Chapter █ Page Normal mode █ 15 Insert mode █ 31 Visual mode █ 44
r[illegible]	Chapter [illegible] Page Normal mode [illegible] 15 Insert mode [illegible] 31 Visual mode [illegible] 44
yyp	Chapter [illegible] Page **C**hapter [illegible] Page Normal mode [illegible] 15 Insert mode [illegible] 31 Visual mode [illegible] 44
Vr-	Chapter [illegible] Page **-**----------------------- Normal mode [illegible] 15 Insert mode [illegible] 31 Visual mode [illegible] 44

[illegible] <C-v> [illegible] x [illegible] . [illegible]

[illegible] . [illegible]

[illegible]
gv [illegible] r|[illegible]

[illegible]
[illegible]yyp[illegible]Vr-[illegible]

[illegible]25 [illegible]

> [illegible]

[illegible]CSS[illegible]

visual_mode/sprite.css

```
li.one   a{ background-image: url('/images/sprite.png'); }
li.two   a{ background-image: url('/images/sprite.png'); }
li.three a{ background-image: url('/images/sprite.png'); }
```

[illegible] `sprite.png`[illegible] `images/` [illegible] `components/` [illegible]4-4[illegible]

[illegible]4-4 [illegible]

[illegible]	[illegible]
{start}	li.one a{ background-image: url('/**i**mages/sprite.png'); } li.two a{ background-image: url('/images/sprite.png'); }
Normal mode	li.three a{ background-image: url('/images/sprite.png'); }

[illegible]	[illegible]
<C-v>jje	li.one a{ background-image: url('/**images**/sprite.png'); } li.two a{ background-image: url('/**images**/sprite.png'); }
Visual mode	li.three a{ background-image: url('/**images**/sprite.png'); }
c	li.one a{ background-image: url('/**/**sprite.png'); } li.two a{ background-image: url('//sprite.png'); }
Insert mode	li.three a{ background-image: url('//sprite.png'); }
components	li.one a{ background-image: url('/components**/**sprite.png'); } li.two a{ background-image: url('//sprite.png'); }
Insert mode	li.three a{ background-image: url('//sprite.png'); }
<Esc>	li.one a{ background-image: url('/component**s**/sprite.png'); } li.two a{ background-image: url('/components/sprite.png'); }
Normal mode	li.three a{ background-image: url('/components/sprite.png'); }

[illegible] c [illegible]

[illegible]“components”[illegible] <Esc> [illegible]

[illegible]Vim [illegible]Vim[illegible]

[illegible]

[illegible]26 [illegible]

> [illegible]

[illegible]JavaScript[illegible]

the_vim_way/2_foo_bar.js

```
var foo = 1
var bar = 'a'
var foobar = foo + bar
```

[illegible]3[illegible]2[illegible] . [illegible]4-5[illegible]

[illegible] $ [illegible]Vim[illegible]

[illegible] A [illegible]**Vim[illegible]“i”[illegible]“a”**[illegible]

[illegible]4-5 [illegible]

[illegible]	[illegible]
{start}	var foo = **1** var bar = 'a'

□□□□	□□□□□
Normal mode	var foobar = foo + bar
<C-v>jj$	var foo = **1** var bar = **'a'**
Visual-Block	var foobar **= foo + bar**
A;	var foo = 1; var bar = 'a'
Insert mode	var foobar = foo + bar
<Esc>	var foo = **1**; var bar = 'a';
Normal mode	var foobar = foo + bar;

> Vim □“i”□“a”□□□□
>
> Vim□□□□□□□□□□□□□□□□□□□□□□□i □□□ a □□□□□□□□□□□□□□□□□□□□□□□□□□□ I □□□ A □□□□□□□□□□□□□□□□□□□□□□□□□□□□□
>
> Vim □□□□□□□□□□□□□□□□□□□□□□□□□□□□I □□□ A □□□□□□□□□□□□□□□□□□□□□□□□□□□ i □ a □□□□□□□□□□□□□□□□
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[1] http://vimcasts.org/e/2

[illegible]5[illegible] [illegible]

> [illegible] ed[illegible]ed [illegible] ex
>
> [illegible]ex [illegible] vi [illegible]
>
> vi[illegible] Vim [illegible]
>
> ➤ The Old Testament of Unix

Vim[illegible]vi[illegible]vi[illegible]vi[illegible]ex[illegible] Ex [illegible]UNIX[illegible]Vim[illegible]Ex [illegible] ex [illegible]

□□27 □□Vim□□□□□□

> □□□□□□□□□□□□□□ Ex □□□□□□□□□□□□□□□□□□□□□□□□□
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/ □□□□□□□□□ <C-r>= □□□□□□□□□□□□16□□□□□□□□□□□□□□□□□□
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□:split□□□□□□□□□:prev``/``:next□□□□□□□
□:bprev``/``:bnext□□□□□□Vim□□□□□□□□□□□□□□Ex□□□□□ :h
ex-cmd-index □□□□□□□□□

□□□□□□□□□□□□□□□ Ex □□□5-1□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□28□□□□□□□□□□:copy □□□□
□□□□□□□□□□□□□□□**‘□t’**□□□□□□□□□:normal □□□□□□□□□□□□□□□□
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□□□□□10□□□□□□□ :delete□:yank□ :put □□□□
□:substitute □□□ :globa``l □□□□□□□□□□□□□□□□□□□□□□□
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□5-1 □□□□□□□□ Ex □□

□□	□□

[illegible]	[illegible]
:[range]delete [x]	[illegible][[illegible]x[illegible]]
:[range]yank [x]	[illegible][[illegible]x[illegible]]
:[line]put [x]	[illegible]x[illegible]
:[range]copy {address}	[illegible] {address} [illegible]
:[range]move {address}	[illegible] {address} [illegible]
:[range]join	[illegible]
:[range]normal {commands}	[illegible] {commands}
:[range]substitute/{pattern}/{string}/[flags]	[illegible]{pattern}[illegible]{string}
:[range]global/{pattern}/[cmd]	[illegible]{pattern}[illegible]Ex [illegible]{cmd}

Vim[illegible]

[illegible]

[illegible] <C-w> [illegible] <C-u> [illegible] <C-v> [illegible] <C-k> [illegible] <C-r>{register} [illegible]15[illegible]33[illegible]

□□□□□□□□□□□□□□□□□□□□□□□□ `<left>` □ `<right>` □□34□□□□□□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□

Ex □□□□□□□□□□□

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> Vim□□□□□□□□□
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>
> Vim □□□□□□ vi □vi improved□□□□□□□□□□□□□□□□□□□□□□□□□□□ vi□□□□□ :h vi-differences ⓘ □□□□□□□Vim□□□vi □□□□□□□□□Vim □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Vim □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[illegible]28 [illegible]

> [illegible] Ex [illegible] [range] [illegible]

Ex [illegible]HTML[illegible]

cmdline_mode/practical-vim.html

```
Line 1 <!DOCTYPE html>
       2 <html>
       3   <head><title>Practical Vim</title></head>
       4   <body><h1>Practical Vim</h1></body>
       5 </html>
```

[illegible] :print[illegible]Vim[illegible] :print [illegible] :delete[illegible]:join[illegible]:substitute[illegible] :normal[illegible] Ex [illegible]

[illegible]

[illegible]Ex [illegible] Vim [illegible]

```
⇒ :1
⇒ :print
[illegible] 1 <!DOCTYPE html>
```

[illegible]5[illegible] :5[illegible] $

```
⇒ :$
⇒ :p
□ 5 </html>
```

[illegible] :p[illegible] :print [illegible]

```
⇒ :3p
□ 3 <head><title>Practical Vim</title></head>
```

[illegible]3[illegible] :p`` [illegible] :3d`` [illegible]3[illegible] 3G[illegible] dd[illegible]Ex [illegible]

[illegible]

[illegible]

```
⇒ :2,5p
□ 2 <html>
   3   <head><title>Practical Vim</title></head>
   4   <body><h1>Practical Vim</h1></body>
   5 </html>
```

[illegible]2[illegible]5[illegible]2[illegible]5[illegible]5[illegible]

```
:{start},{end}
```

[illegible] {start} [illegible] {end} [illegible]

[illegible] . [illegible]

```
⇒ :2
⇒ :.,$p
□ 2 <html>
```

```
   3   <head><title>Practical Vim</title></head>
   4   <body><h1>Practical Vim</h1></body>
   5 </html>
```

□□ % □□□□□□□□□□□□□□□□□□□

```
⇒ :%p
□ 1 <!DOCTYPE html>
   2 <html>
   3   <head><title>Practical Vim</title></head>
   4   <body><h1>Practical Vim</h1></body>
   5 </html>
```

□□□□ :1, $p□□□□□□□□□□□□ :substitute □□□□□□□□□□
□□

```
⇒ :%s/Practical/Pragmatic/
```

□□□□□ Vim □□□□□□□□“Practical”□□□“Pragmatic”□□□□□14
□□□□□□□□□□□□□

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□□□□□□□□□□□□□□□□□□□□□□□□□□□□ 2G□□□□□□ VG□□□□□□□
□□□□□□□

```
<!DOCTYPE html>
<html>
   <head><title>Practical Vim</title></head>
   <body><h1>Practical Vim</h1></body>
</html>
```

□□□□□□ : □□□□□□□□□□□□□□ :'<,'>□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ Ex □□□□□□□□□□□□□□
□□

```
⇒ :'<,'>p
□ 2 <html>
   3   <head><title>Practical Vim</title></head>
```

```
  4   <body><h1>Practical Vim</h1></body>
  5 </html>
```

[illegible] :substitute [illegible]

[illegible] '< [illegible] '> [illegible]54[illegible] :'<,'>p[illegible]

[illegible]

Vim [illegible] Ex [illegible]

```
⇒ :/<html>/,/<\/html>/p
□ 2 <html>
  3   <head><title>Practical Vim</title></head>
  4   <body><h1>Practical Vim</h1></body>
  5 </html>
```

[illegible] :{start},{end}[illegible] {start} [illegible] /<html>/[illegible] {end} [illegible] /<\/html>/[illegible] <html> [illegible]

[illegible] :2,5 [illegible] <html></html> [illegible]

[illegible]

[illegible] <html></html>[illegible] Ex [illegible] <html> [illegible] </html> [illegible]

```
⇒ :/<html>/+1,/<\/html>/-1p
□ 3 <head><title>Practical Vim</title></head>
  4 <body><h1>Practical Vim</h1></body>
```

[illegible]

```
:{address}+n
```

[illegible] n [illegible]1[illegible]`{address}` [illegible]

[illegible]

```
⇒ :2
⇒ :.,.+3p
```

[illegible] `.` [illegible] `:.,.+3`[illegible] `:2,5`[illegible]

[illegible]

[illegible] Ex [illegible]

[illegible]	[illegible]
1	[illegible]
$	[illegible]
0	[illegible]
.	[illegible]
'm	[illegible]m[illegible]
'<	[illegible]
'>	[illegible]

[illegible]	[illegible]
%	[illegible]:1,$ [illegible]

[illegible]0[illegible] `:copy {address}` [illegible] `:move {address}` [illegible]

[illegible] `[range]`[illegible] `:global`[illegible]Ex [illegible]15[illegible]

[illegible]29 [illegible]‘:t’[illegible]‘:m’[illegible]

> :copy [illegible] :t[illegible]:move [illegible]

[illegible]

cmdline_mode/shopping-list.todo

```
Line 1 Shopping list
     2     Hardware Store
     3         Buy new hammer
     4     Beauty Parlor
     5         Buy nail polish remover
     6         Buy nails
```

[illegible] ‘:t’ [illegible]

[illegible]hardware store[illegible]nails[illegible]“Hardware Store”[illegible] Ex [illegible] :copy[illegible]

[illegible]	[illegible]
{start}	Shopping list **H**ardware Store Buy new hammer Beauty Parlor Buy nail polish remover Buy nails

[illegible]	[illegible]
:6copy.	Shopping list Hardware Store **B**uy nails Buy new hammer Beauty Parlor Buy nail polish remover Buy nails

copy[illegible]`:h :copy`[illegible]

```
:[range]copy {address}
```

[illegible]`[range]` [illegible]6[illegible] `{address}` [illegible] `.`[illegible] `:6copy.` [illegible]“[illegible]6[illegible]”[illegible]

`:copy` [illegible] `:co`[illegible]``:t` [illegible] `:copy` [illegible]

[illegible]“[illegible]copy TO[illegible]”[illegible] `:t` [illegible]

[illegible]	[illegible]
:6t.	[illegible]6[illegible]
:t6	[illegible]6[illegible]
:t.	[illegible] **yyp**[illegible]
:t$	[illegible]

[illegible]	[illegible]
:'<,'>t0	[illegible]

:t. [illegible]yyp[illegible]yyp [illegible]:t. [illegible] :t. [illegible]

[illegible] yyp [illegible]6G[illegible]yy[illegible]<C-o>[illegible]p[illegible]:t [illegible]

[illegible] **Ex** [illegible]Ex [illegible]

[illegible] ':m' [illegible]

:move [illegible] :copy [illegible] :h :move [illegible]

```
:[range]move {address}
```

[illegible] :m[illegible]Hardware Store[illegible]Beauty Parlor [illegible] :move [illegible]5-2[illegible]

[illegible] :'<,'>m$[illegible] dGp[illegible]d [illegible]G [illegible]p [illegible]

[illegible]5-2 [illegible]':m'[illegible]

[illegible]	[illegible]

[illegible]	[illegible]
{start}	Shopping list **H**ardware Store Buy nails Buy new hammer Beauty Parlor Buy nail polish remover Buy nails
Vjj	Shopping list **Hardware Store** **Buy nails** █ **Buy new hammer** Beauty Parlor Buy nail polish remover Buy nails
:'<,'>m$	Shopping list Beauty Parlor Buy nail polish remover Buy nails Hardware Store Buy nails **B**uy new hammer

[illegible] `'<,'>` [illegible] `:'<,'>m$` [illegible] Ex [illegible] `@:` [illegible] 31[illegible]

[illegible]30 [illegible]

> [illegible] `:normal` [illegible] `.` [illegible]

[illegible]2[illegible]3[illegible]50[illegible]50[illegible] `j.` [illegible]100[illegible]

[illegible]5[illegible]50[illegible]

cmdline_mode/foobar.js

```
var foo = 1
var bar = 'a'
var baz = 'z'
var foobar = foo + bar
var foobarbaz = foo + bar + baz
```

[illegible]

[illegible]	[illegible]
{start}	**v**ar foo = 1 var bar = 'a' var baz = 'z' var foobar = foo + bar var foobarbaz = foo + bar + baz

□□□□	□□□□□
A;<Esc>	var foo = 1**;** var bar = 'a' var baz = 'z' var foobar = foo + bar var foobarbaz = foo + bar + baz

□□□□□□□□□□□ . □□□□□□Ex □□ :normal□□□□□□□□□□□ □ . □□□

□□□□	□□□□□
jVG	var foo = 1; **var bar = 'a'** **var baz = 'z'** **var foobar = foo + bar** **var foobarbaz = foo + bar + baz**
:'<,'>normal .	var foo = 1; var bar = 'a'; var baz = 'z'; var foobar = foo + bar; var foobarbaz = foo + bar + baz**;**

:'<,'>normal . □□□□□□□“□□□□□□□□□□□□□□□□□□ . □□”□□□□□5□□50□□□

□□□□□:normal □□ . □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
⇒ :%normal A;
```

[illegible] % [illegible] :%normal A; [illegible] Vim [illegible]
[illegible]Vim[illegible]

[illegible]Vim[illegible]
[illegible]JavaScript[illegible]

```
⇒ :%normal i//
```

[illegible] :normal [illegible] Vim [illegible]
[illegible] :normal . [illegible] :normal @q [illegible]
[illegible]68[illegible]70[illegible]

[illegible] **Ex** [illegible] Ex [illegible] :normal [illegible]
[illegible] Vim [illegible] Ex [illegible]
[illegible]

[illegible]26[illegible]

[illegible]31 [illegible] Ex [illegible]

> . [illegible] Ex [illegible] @: [illegible]

[illegible]1[illegible] . [illegible]. [illegible] Vim [illegible] @: [illegible] Ex [illegible] :h ``@: [illegible]

[illegible] :bn[ext] [illegible] :bp[revious] [illegible]37[illegible]

```
⇒ :bnext
```

[illegible] @: [illegible] : [illegible] :h quote_: [illegible] @: [illegible] @@ [illegible]

[illegible] @: [illegible] :bprevious [illegible] @: [illegible]

[illegible] <C-o> [illegible]56[illegible] :bnext [illegible] @: [illegible] <C-o> [illegible]

[illegible] :bnext[illegible] @: [illegible] <C-o> [illegible] @: [illegible]4[illegible]

Vim [illegible]Ex [illegible] @: [illegible] Ex [illegible] <C-o> [illegible]
:next[illegible]:``cnext[illegible]:tnext [illegible]5-1[illegible]Ex [illegible]
u [illegible]

□□32 □□□□ Ex □□

> □□□shell□□□□□□□□□□□□□□ <Tab> □□□□□□□□

Vim □□□ Tab □□

```
⇒ :col<C-d>
□ colder colorscheme
```

<C-d> □□□□Vim □□□□□□□□□□□□ :h c_CTRL-D ⓘ□□□□□□□□□□ <Tab> □□□□□□□□□□□colder□colorscheme□□□□□□□□□ col□□□□□□□□□□□□□□□□□□□□□□ <S-Tab> □

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ <C-d> □□□□□□□□□□□□

```
⇒ :colorscheme <C-d>
□ blackboard  desert      morning        shine
   blue        elflord     murphy         slate
   darkblue    evening              pablo        solarized
   default     koehler              peachpuff          torte
   delek       mac_classic     ron                  zellner
```

□□□□<C-d> □□□□□□□□□□□□□□□□□□□□□□□solarized □□□□□□□□□□“so”□□□□ Tab □□□□□□□□□

□□□□□□□Vim□ Tab □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ :edit □ :write□□□□ <Tab> □□□□□□□□□□□□□□□□□□□□ :tag □□□□□□□□□□□□□□□□ :set □ :help □□□□□□□□□ Vim □□□□□□□□□

□□□□□□□□ Ex □□□□□□□□□□□□□ Tab □□□□□□□□□□□□□□□□ :h :command-complete ⓘ□

[illegible]

[illegible] Vim [illegible]Tab [illegible] Vim [illegible] Tab [illegible]Vim [illegible] Tab [illegible]

[illegible] ‘wildmode’ [illegible] :h 'wildmode' [illegible]bash shell[illegible]

```
set wildmode=longest,list
```

[illegible] zsh [illegible]

```
set wildmenu
set wildmode=full
```

[illegible] ‘wildmenu’ [illegible]Vim [illegible] <Tab> [illegible] <C-n> [illegible] <Right> [illegible] <S-Tab>[illegible]<C-p> [illegible] <Left> [illegible]

[illegible]33 [illegible]

> [illegible]Vim [illegible]

[illegible] Vim [illegible] <C-r><C-w> [illegible]

[illegible] tally[illegible] counter[illegible]

cmdline_mode/loop.js

```
var tally;
for (tally=1; tally <= 10; tally++) {
  // do something with tally
};
```

[illegible] tally[illegible] * [illegible]* [illegible] /\<<C-r><C-w>\><CR> [illegible] \< [illegible] \>[illegible]77[illegible]

[illegible]	[illegible]
{start}	var **t**ally; for (tally=1; tally <= 10; tally++) { // do something with tally };
*	var tally; for (**tally**=1; **tally** <= 10; **tally**++) { // do something with **tally** };

[illegible]	[illegible]
cwcounter<Esc>	var **tally**; for (counte**r**=1; **tally** <= 10; **tally**++) { // do something with **tally** };

[illegible] * [illegible] cwcounter<Esc> [illegible]

[illegible] :substitute [illegible]“counter”[illegible] <C-r><C-w> [illegible]

```
⇒ :%s//<C-r><C-w>/g
```

[illegible] * [illegible]91[illegible]

<C-r><C-w> [illegible] 49[illegible] <C-r><C-a>[illegible] :h c_CTRL-R_CTRL-W [illegible] :substitute [illegible] Ex [illegible]

[illegible] vimrc [illegible] :help <C-r><C-w> [illegible]

□□34 □□□□□□

> Vim □□

Vim □□ Ex □□□□□□□□□□□□□□□□□□

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□□□□□□□□ :helpⓘ□□□□ <Up> □□□□□□ Ex □□□□□□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□□□“help”□□□ Ex □□□□□□□□□□□□

Vim □□□□□□□20□□□ ‘``history``’ □□□□□□□□□□□□□□□□□□□□□□□□□□ vimrc □□□

```
set history=200
```

> **□□□**
>
> □□□□□□□□□□□□□□□□□□□□□□□□□Vim□□□□□□□□□□□ :h viminfoⓘ□□□□□□□□□□□□□□□□□

Vim □□□□□ Ex □□□□□□□□□□□□□□□□□□□□□□□□□□ / □□□□□□□□□□ <Up> □ <Down> □□□

□□□□□□

[illegible]

[illegible]Ruby[illegible]

```
⇒ :write
⇒ :!ruby %
```

[illegible]

```
⇒ :write | !ruby %
```

[illegible] q:[illegible] :h cmdwin ⓘ [illegible]

[illegible] Vim [illegible] k [illegible] j [illegible] Vim [illegible] <CR> [illegible]Ex[illegible]

[illegible] Vim [illegible] Ex [illegible]

[illegible] q: [illegible]

[illegible]	[illegible]
{start}	**w**rite !ruby %
A␣[illegible]<Esc>	write [illegible] !ruby %
J	write [illegible]█!ruby %

[illegible]	[illegible]
:s/write/update	**u**pdate [illegible] !ruby %

[illegible] <CR> [illegible] `:update | !ruby%` [illegible]

[illegible] `:q` [illegible] Vim [illegible] <CR> [illegible]

> [illegible]
>
> [illegible] <CR> [illegible] Vim [illegible]

[illegible] Ex [illegible] `<C-f>` [illegible]

[illegible]	[illegible]
q/	[illegible]
q:	[illegible] Ex [illegible]
<Ctrl-f>	[illegible]

`q:` [illegible] `:q` [illegible] Vim[illegible] 85[illegible]

□□35 □□Shell□□

> □□□□Vim□□□

□□□□□□□□□□ Vim □□□□□□□□□□□□ GVim□□ MacVim□□□□□□□□□□□□□□□□□□□□□□□□□□□□ Vim □□□ shell □□□□□□□□□□□□ shell □□□□□□□GVim □□□□□□□□□□□□□□□□□□ Vim□□□□□□□□□□□

□□ Shell □□□□

□ Vim □□□□□□□□□□□□□□□□□□□□□ `:h :!`ⓘ□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
⇒ :!ls

□  duplicate.todo         loop.js
    emails.csv                     practical-vim.html
    foobar.js              shopping-list.todo
    history-scrollers.vim

    Press ENTER or type command to continue
```

□□□□ `:!ls` □ `:ls` □□□□□□□□□□□□ shell □□ `ls` □□□□ `:ls` □□□□ Vim□□□□□□□□□□□□□□□□□□□

□ Vim □□□□□□□□ `%` □□□□□□□□□□ `:h cmdline-special`ⓘ□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Ruby □□□□□□□□□□□□□□□□□□□

```
⇒ :!ruby %
```

Vim [illegible] :h filename-modifiers ⓘ [illegible]45[illegible]

:!{cmd} [illegible] shell [illegible] Vim [illegible] :shell [illegible] shell [illegible] :h :shell ⓘ [illegible]

```
⇛ :shell

⇛ $ pwd

[illegible] /Users/drew/books/PracticalVim/code/cmdline_mode

⇛ $ ls

[illegible] duplicate.todo        loop.js
  emails.csv          practical-vim.html
  foobar.js           shopping-list.todo
  history-scrollers.vim

⇛ $ exit
```

[illegible] exit [illegible] shell [illegible] Vim[illegible]

[illegible]Vim[illegible]

:shell [illegible] Vim [illegible] shell[illegible] Vim[illegible] shell [illegible]bash shell [illegible]

[illegible] bash shell [illegible] Vim[illegible] shell [illegible] Ctrl-z [illegible]Vim [illegible]bash[illegible] Vim [illegible] bash [illegible]

```
⇛ $ jobs
 [illegible][1]+ Stopped      vim
```

> □ bash □□□□□ fg □□□□□□□□□□□□□□□□□□□□□□□□□ Vim □□□□□□□□□□□□Ctrl-z □ fg □□□ Vim □□□ :shell □ exit □□□□□□□□□□□□□□□□□□□□□□□□ man bash□□□□□□□□□□job control□□□□□

□□□□□□□□□□□□□□□□□

□□ :!{cmd}`` □□Vim □□□ {cmd} □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ :read !{cmd} □□□□ {cmd} □□□□□□□□□□□□□□□□□□ :h :read!`` ⓘ□□

:read !{cmd} □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□:write !{cmd} □□□□□□□□□□□□□□□□□□□ {cmd} □□□□□□□□□ :h :write_cⓘ□□□□□□46□□□□□□□□□□□□□□□□□

□□□

```
⇛ :write !sh
⇛ :write ! sh
⇛ :write! sh
```

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:write !sh □□□□□□□shell□□□□□□□□□□□□□□□□□□□□:h`` ``rename-files`` ⓘ □□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□

□□□□□□□□□□:!{cmd} □□□□□□□□□□□□□□□□ [range]`` □□□□□□□{cmd} □□□□□□□□□□□□□□□ {cmd} □□□□□□ [range]□□□□□□□□□□□□□□□□□□[range] □□□□□□□□□□□ {cmd} □□□□□□ :h :range!ⓘ□□Vim □□□□□□□□“□□”□

□□□□□□□□□□ sort □□□□ CSV □□□□□□□□□□□

cmdline_mode/emails.csv

```
first name,last name,email
john,smith,john@example.com
drew,neil,drew@vimcasts.org
jane,doe,jane@example.com
```

□□□□□□□□□□“□□”□□□□□□□□□□□□ -``t’``,``’ □□□□ sort □□□□□□□□□□□□□□□□□□□□□□□ -``k2 □□□□□□□□□□□□□□□□□□□

□□□ :2,$ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
⇒ :2,$!sort -t',' -k2
```

□□ CSV □□□□□□□□□□□□□□□□□□□

```
first name,last name,email
jane,doe,jane@example.com
drew,neil,drew@vimcasts.org
john,smith,john@example.com
```

Vim □□□□□□□□□□□□□□□□□□□ :[range]!{filter} □□□□□□□□□□□□ !{motion} □□□□□□□□□□□□□□□□□□□□ {motion} □□□□□□□□□□□□□□□□□□□ :h ! ⓘ□□□□□□□□□□□□□□□□2□□□□□□ !G□Vim □□□□□□□□□□□□□□ :.,$! □□□□□□□□□□□□□□□□□□□□□□□ {filter} □□□□□□□□□□□□□□□□□□□

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□ Vim□□□□□□□□□□□□□□□□shell □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□	□□
:shell	□□□□shell (□□exit□□ Vim)

[illegible]	[illegible]
:!{cmd}	[illegible]shell [illegible] {cmd}
:read !{cmd}	[illegible]shell [illegible] {cmd} [illegible]
:[range]write !{cmd}	[illegible] shell [illegible] {cmd} [illegible] [range] [illegible]
:[range]!{filter}	[illegible] {filter} [illegible] [range]

Vim [illegible]make [illegible] grep [illegible] Vim [illegible]Vim[illegible] quickfix [illegible]17[illegible]18 [illegible]

□□36 □□□□□Ex□□

> □□□□□□□□Ex□□□

□□□□□□□Vimcasts.org□□□□□□□□□□□□□□

cmdline_mode/vimcasts/episodes-1.html

```
<ol>
  <li>
     <a href="/episodes/show-invisibles/">
        Show invisibles
     </a>
  <li>
  <li>
     <a href="/episodes/tabs-and-spaces/">
        Tabs and Spaces
     </a>
    </li>
</ol>
```

□□□□□□□□□□□□□□□URL□□

cmdline_mode/vimcasts-episodes-1.txt

```
Show invisibles: http://vimcasts.org/episodes/show-invisibles/
Tabs and Spaces: http://vimcasts.org/episodes/tabs-and-spaces/
```

□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□Ex□□

[illegible] :substitue [illegible]Ex[illegible]

```
⇒ :g/href/j
⇒ :v/href/d
  8 fewer lines
⇒ :%norm A: http://vimcasts.org
⇒ :%norm yi"$p
⇒ :%s/\v^[^\>]+\>\s//g
```

[illegible] :global [illegible] :vglobal [illegible] 99[illegible] :normal [illegible] Vimcast [illegible]30[illegible] :substitute [illegible] <a href=””>[illegible]

[illegible]Ex[illegible]

[illegible] batch.vim[illegible] .vim [illegible] Vim[illegible] Ex [illegible] **:**[illegible] Ex [illegible]

cmdline_mode/batch.vim

```
global/href/join
vglobal/href/delete
%normal A: http://vimcasts.org
%normal yi"$p
%substitute/\v^[^\>]+\>\s//g
```

[illegible] :source [illegible]batch.vim[illegible] :h source[illegible] Ex [illegible] Vim [illegible] :source`` [illegible]vimrc[illegible] **vimrc**[illegible]

[illegible]Pragmatic Bookshelf[illegible]Practical Vim[illegible]cmdline_mode [illegible] batch.vim [illegible]episodes-

1.html□□□□□ Vim□

```
⇒ $ pwd
□  ~/dnvim2/code/cmdline_mode
⇒ $ ls *.vim
□  batch.vim          history-scrollers.vim
⇒ $ vim vimcasts/episodes-1.html
```

□□□□□□□□□□□□

```
⇒ :source batch.vim
```

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```
⇒ $ pwd
□  ~/dnvim2/code/cmdline_mode
⇒ $ ls vimcasts
□ episodes-1.html episodes-2.html episodes-3.html
⇒ $ vim vimcasts/*.html
```

□□□□□□□Vim□□□□□□□□□□□□□□□□□ Vim □□□□□□□□□□□□□□□□□□□□□□□□batch.vim□

```
⇒ :args
□ [vimcasts/episodes-1.html] vimcasts/episodes-2.html
vimcasts/episodes-3.html
⇒ :first
⇒ :source batch.vim
⇒ :next
⇒ :source batch.vim
□ etc.
```

□□□□□□□□□□□ `:argdo` □□□

```
⇒ :argdo source batch.vim
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□ batch.vim □□Ex □□□□

□□□□□□□□□□□ Ex □□ `:substitute``` □□□□□□□□□□□□□□□□□□□□ batch.vim□□

---

[1] http://en.wikipedia.org/wiki/Teleprinter

[2] http://www.theregiscer.co.uk/2003/09111/biu-joys.greatert_gifo/

[illegible]

[illegible]Vim[illegible]

[illegible]Vim[illegible]

[illegible]6[illegible] [illegible]

Vim[illegible]37[illegible]
[illegible]

[illegible]38[illegible] `:args` [illegible]
[illegible] `:argdo` [illegible] Ex [illegible]

Vim[illegible]40[illegible]41[illegible]
Vim [illegible]

[illegible]37 [illegible]

> [illegible]Vim[illegible]

[illegible]

[illegible]Vim[illegible]“[illegible]”[illegible]Vim[illegible]“[illegible]”[illegible]

[illegible]Vim[illegible] :write[illegible]:update[illegible] :saveas [illegible]

[illegible]

Vim[illegible]shell[illegible]

```
⇒ $ cd code/files
⇒ $ vim *.txt
[illegible] 2 files to edit
```

*.txt [illegible] a.txt [illegible] b.txt[illegible]
Vim [illegible]Vim[illegible]

```
⇒ :ls
[illegible] 1 %a      "a.txt"          line 1
    2         "b.txt"          line 0
```

:ls □□□□□□□□□□□□□□□□□□□□ :h :ls ⓘ□□□ :bnext □□
□□□□□□□□□□□□□□

```
⇒  :bnext
⇒  :ls
□  1  #          "a.txt"                  line  1
   2  %a          "b.txt"                  line  1
```

%`` □□□□□□□□□□□□□□□□ # □□□□□□□□□□ <C-^> □□□□□
□□□□□□□□□□□□□□□□□□□□□ a.txt□□□□□□□□□ b.txt □□

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□□□4□□□□□□□□□□□ :bprev □ :bnext □□□□□□□□□□□□□□□□
□□□:bfirst □ :blast □□□□□□□□□□□□□□

□□□□Tim Pope□ unimpaired.vim □□[1]□□□□□□□□□□□

```
nnoremap <silent> [b :bprevious<CR>
nnoremap <silent> ]b :bnext<CR>
nnoremap <silent> [B :bfirst<CR>
nnoremap <silent> ]B :blast<CR>
```

Vim □□□□ [□] □□□□□□□□□□□□□□□□□ :h [ⓘ□□□□□□□□□□□□
□□□□□□□□□□□□□□□□unimpaired.vim□□□□□□□□□□□□□□□□□□□
□□□□□[a □]a□□quickfix□□□[q □]q□□□□□□□[l □]l□□□□□□
□[t □]t□□□□□□□□□□

:ls □□□□□□□□□□□□□□□□□□□□□□ Vim □□□□□□□□□□□□ :buffer
N □□□□□□□□□□□□□□□□□□□□ :h :bⓘ□□□□□□□□□□ :buffer
{bufname} □□□□□□□□□□□{bufname} □□□□□□□□□□□□□□□□□□□□□□
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□□□□□32□□

:bufdo □□□□□ :ls□□□□□□□□□□□Ex □□□□□ :h :bufdo ⓘ□□
□□□□□□□□□□□□□ :argdo □□□□□□□□□38□□□□□□□□

[illegible]

[illegible]Vim [illegible]7[illegible] :bdelete [illegible]

```
:bdelete N1 N2 N3
:N,M bdelete
```

> **[illegible]**
>
> [illegible]5[illegible]10[illegible]5[illegible]10[illegible] :5,10bd[illegible]8[illegible] :bd 5 6 7 9 10[illegible]

[illegible] Vim [illegible]:ls [illegible]

Vim [illegible]

[illegible]38 [illegible]

> [illegible] :argdo [illegible] Ex [illegible]

[illegible]Vim[illegible]

```
⇒ $ cd code/files/letters
⇒ $ vim *.txt
[illegible] 5 files to edit
```

[illegible]37[illegible] :ls [illegible]

[illegible]

```
⇒ :args
[illegible] [a.txt] b.txt c.txt. d.txt e.txt
```

[illegible]Vim[illegible] *.txt[illegible]shell[illegible] * [illegible]5[illegible]5[illegible]“[]”[illegible]

[illegible] :ls [illegible]:args [illegible] vi [illegible] Vim [illegible]

[illegible]Vim [illegible] :args [illegible]Vim[illegible]**“‘:compiler’[illegible]‘:make’[illegible]”**[illegible]

[illegible]

□□□□□□□ :args □□ :h :args_f □□

```
:args {arglist}
```

{arglist} □□□□□□□□□□□□□□□□□□ shell □□□□□□□□□□□□□□ files/mvc □□ Vim□

```
⇒ $ cd code/files/mvc
⇒ $ vim
```

□□□□□□□□□□□□□□□□□□□42□

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```
⇒ :args index.html app.js
⇒ :args
□ [index.html] app.js
```

□□

□ Glob □□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□* □□□□□□0□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ :h wildcard □□** □□□□□□0□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ :h starstar-wildcard □□

□□□ glob□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ files/mvc □□□□□□□glob□□□□□□□□□□□□□□□□□□□□□

Glob[illegible]	[illegible]
:args *.*	index.html app.js
:args **/*.js	app.js lib/framework.js app/controllers/Mailer.js ...etc
:args **/*.*	app.js index.html lib/framework.js lib/theme.css app/controllers/Mailer.js ...etc

[illegible] {arglist} [illegible] glob[illegible] .js [illegible] .css [illegible]glob[illegible]

```
⇒ :args **/*.js **/*.css
```

[illegible]

[illegible]

files/.chapters

```
the_vim_way.pml
normal_mode.pml
insert_mode.pml
visual_mode.pml
```

[illegible]

```
⇒ :args `cat .chapters`
```

Vim [illegible] shell [illegible]'[illegible] cat [illegible] `:args`[illegible] cat [illegible] `.chapters` [illegible]shell[illegible] `:h backtick-expansion`[illegible]

[illegible]

[illegible] `:args {arglist}` [illegible] `:next` [illegible] `:prev` [illegible] `:argdo` [illegible]

[illegible]desktop[illegible]workspace[illegible]36[illegible]70[illegible]

[illegible]39 [illegible]

> Vim [illegible] Vim [illegible]

[illegible] shell [illegible] Vim[illegible]

```
⇒ $ cd code/files
⇒ $ ls
□ a.txt     b.txt
⇒ $ vim *.txt
□ 2 files to edit
```

[illegible] a.txt [illegible] Go [illegible]

```
⇒ :ls
□ 1  %a + "a.txt"                  line 1
   2      "b.txt"                  line 0
```

[illegible] a.txt [illegible] + [illegible] + [illegible]

```
⇒ :bnext
□ E37: No write since last change (add ! to override)
```

[illegible]Vim [illegible]

```
⇒ :bnext!
⇒ :ls
□ 1 #h + "a.txt"                   line  1
   2 %a   "b.txt"                   line  1
```

□□□□□ Vim □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ :ls □□□□□□□ b.txt □□□□ a□□□□□□□□□□□□□active□□a.txt □□□□□ h□□□□□□□□□□□□hidden□□

□□□□□□□□□□□□

□□□□□□□□□Vim□□Vim □□□□□□□□□□□□□□

```
⇛ :quit
□ E37: No write since last change (add ! to override)
   E162: No write since last change for buffer "a.txt"
```

Vim □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ :write □□□□□□□□□□□□□□□□□□□□ :edit!□□□ :quit □□□

□□□□□□□□□□□□□□□□□□□□□□ :quit □□□ Vim □□□□□□□□□□□□□□□□□□ :write □:edit! □□□□□□□□□□□□□□□□□□□□:q □□□□ Vim□

□□□□□ Vim □□□□□□□□□□□□□ :qall!□□□□□□□□□□□□□□□□□□□□□□□□ :wall □□□6-1□□□□□□□□□□□□□□□

□**6-1** □□□□□□□□□□□

□□	□□
:w[rite]	□□□□□□□□□
:e[dit]!	□□□□□□□□□□□□□□□□□□□

□□	□□
:qa[ll]!	□□□□□□□□□□□□□□□□□□
:wa[ll]!	□□□□□□□□□□□□□□□

□□ ':*do' □□□□□□□ 'hidden' □□

□□□□□□Vim □□□□□□□□□□□□□□□□□□□□□□□□□□□□□ :next!□ :bnext!□ :cnext!□□□□□□□□□□□□□□□□□□□□□□□□□Vim □□□□□□□□□□“□□□□□□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□:argdo□:bufdo □□ :cfdo□□□□□□□□:argdo {cmd} □□□□□□□□□□

```
⇒ :first
⇒ :{cmd}
⇒ :next
⇒ :{cmd}
□ etc.
```

□□□□□ {cmd} □□□□□□□□□□□□□ :next □□□□□□□□□□□□□□□□□□□□□□□□□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□ ‘hidden’ □□□□□ :h hidden □□□□□□□□□□□□□□□ :next□:bnext□ :cnext □□□□□□□□□□□□□□□□□□□□□Vim □□□□□□□□□□□□□□□□□□□‘hidden’ □□□□□□□□:argdo□:bufdo □ :cfdo□□□□□□□□□□□□□

□□□ :argdo {cmd} □□□□□□□□□□□□□□□□□□□□□□ :first□□□□□ :wn □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ :argdo write □□ :wall□□□□□□□□□□□

[illegible]40 [illegible]

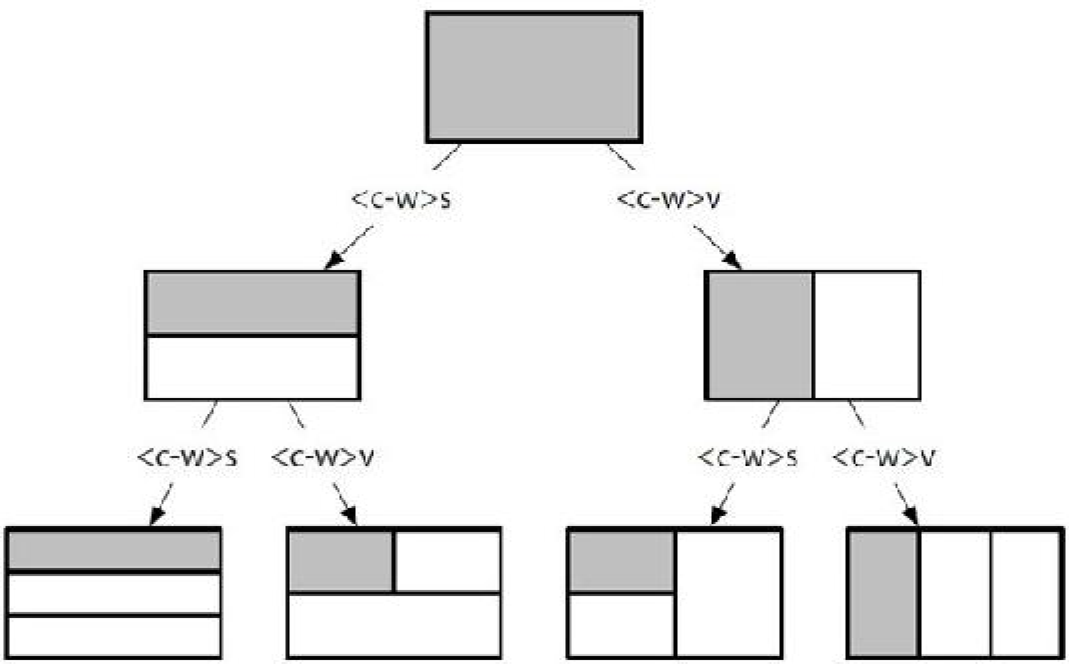
> Vim [illegible]

[illegible]Vim [illegible] `:h window` ⓘ [illegible]Vim [illegible]

[illegible]

Vim [illegible] `<C-w>s` [illegible] `<C-w>v` [illegible]

[illegible]6-1[illegible]



[illegible]6-1 [illegible]

[illegible] <C-w>s [illegible] <C-w>v [illegible]

[illegible] :edit [illegible] <C-w>s[illegible] :edit {filename}[illegible] :split {filename} [illegible]

[illegible]	[illegible]
<C-w>s	[illegible]
<C-w>v	[illegible]
:sp[lit] {file}	[illegible]{file}
:vsp[lit] {file}	[illegible]{file}

[illegible]

Vim [illegible] :h window-move-cursor [illegible]

[illegible]	[illegible]
<C-w>w	[illegible]
<C-w>h	[illegible]

[illegible]	[illegible]
<C-w>j	[illegible]
<C-w>k	[illegible]
<C-w>l	[illegible]

[illegible]<C-w><C-w> [illegible] <C-w>w [illegible] <Ctrl> [illegible] ww[illegible] wj[illegible]<C-w><C-w> [illegible] <C-w>w [illegible]

[illegible] GVim[illegible] 'mouse' [illegible] :h 'mouse' [illegible]

[illegible]

[illegible] :close [illegible] :only [illegible]

Ex [illegible]	[illegible]	[illegible]
:clo[se]	**<C-w>c**	[illegible]
:on[ly]	**<C-w>o**	[illegible]

[illegible]

Vim [illegible] `:h window-resize` [illegible]

[illegible]	[illegible]
<C-w>=	[illegible]
<C-w>_	[illegible]
<C-w>[illegible]	[illegible]
[N]<C-w>_	[illegible][N][illegible]
[N]<C-w>[illegible]	[illegible][N][illegible]

[illegible] GVim [illegible]

Vim [illegible]Vimcasts.org[illegible][2][illegible] `:h window-moving` [illegible]

[illegible]41 [illegible]

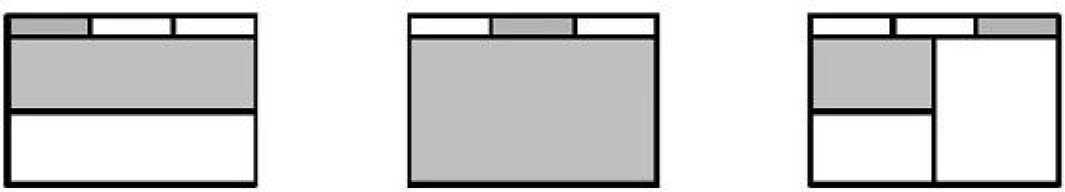
> Vim [illegible]Vim[illegible]
> [illegible]

[illegible] Vim [illegible] `:h tabpage` ⓘ [illegible]Vim [illegible]IDE[illegible]

[illegible]GUI[illegible]

[illegible]Vim[illegible] `:edit` [illegible]Vim [illegible]37[illegible]Vim [illegible]

Vim [illegible]6-2 [illegible]3[illegible]



[illegible]6-2 [illegible]

[illegible] GVim [illegible]Vim[illegible]Gvim[illegible]GUI [illegible] Vim[illegible]textual

user interface, TUI[illegible]
[illegible]GUI[illegible]TUI[illegible]

[illegible]

[illegible]Vim[illegible]Vim [illegible] Linux [illegible]

[illegible]

`:lcd {path}` [illegible] `:lcd` [illegible]`:lcd` [illegible] `:windo lcd {path}` [illegible]Vimcasts[illegible]9[3][illegible]

[illegible]

[illegible] `:tabedit {filename}` [illegible] `{filename}` [illegible] Vim [illegible]

[illegible] `<C-w>T` [illegible] `:h CTRL-W_T` [illegible]

[illegible] `:close` [illegible] `:tabclose` [illegible] `:tabonly`[illegible]

[illegible]	[illegible]
:tabe[dit] {filename}	[illegible] {filename}

[illegible]	[illegible]
<C-w>T	[illegible]
:tabc[lose]	[illegible]
:tabo[nly]	[illegible]

[illegible]

[illegible]1[illegible] {N}gt [illegible]“[illegible] {N}”[illegible]Vim [illegible]gT [illegible]

Ex [illegible]	[illegible]	[illegible]
:tabn[ext] {N}	**{N}gt**	[illegible] {N} [illegible]
:tabn[ext]	**gt**	[illegible]
:tabp[revious]	**gT**	[illegible]

[illegible]

[illegible] :tabmove [N] [illegible] [N] [illegible]0[illegible] [N][illegible] GVim[illegible]

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[1] https://github.com/tpope/vim-unimpaired

[2] http://vimcasts.org/e/7

[3] http://vimcasts.org/e/9

[illegible]7[illegible] [illegible]

[illegible]Vim[illegible]42[illegible] :edit[illegible]

[illegible]43[illegible] ‘path’ [illegible] :find [illegible]

[illegible]Vim [illegible]netrw [illegible]44[illegible]

:write[illegible]45[illegible]46[illegible]

□□42 □:edit□□□□□

> □Vim □□:edit □□□□□□□□□□□□□□□□□□□□□□□□□
> □□□□□□□□□□□□□□□□

□□□□ files/mvc □□□□□□□□□□□□□□□□□□□□□□□□□
□□

```
app.js
index.html
app/
   controllers/
      Mailer.js
      Main.js
      Navigation.js
   models/
      User.js
   views/
      Home.js
      Main.js
      Settings.js
   lib/
      framework.js
      theme.css
```

□ shell □□□□□ files/mvc □□□□□□□ Vim□

```
⇒ $ cd code/files/mvc
⇒ $ vim index.html
```

□□□□□□□□□□□□□□□□

□Vim □□□□□□□□□□□ bash □□□ shell □□□ Vim □□□□□□
shell □□□□□□□□□□□□□□□□□□ :pwd □□□□□pwd □□“□□□□

[illegible]”[illegible]print working directory[illegible] bash [illegible]

```
⇒ :pwd
[illegible] /Users/drew/practical-vim/code/files/mvc
```

:edit {file} [illegible] lib/framework.js [illegible]

```
⇒ :edit lib/framework.js
```

[illegible] app/controllers/Navigation.js[illegible]

```
⇒ :edit app/controllers/Navigation.js
```

[illegible] Tab [illegible]32[illegible] Navigation.js [illegible] :edit a<Tab>c<Tab> N<Tab>[illegible]

[illegible]

[illegible] app/controllers/Navigation.js[illegible] Main.js[illegible]

```
⇒ :edit %<Tab>
```

% [illegible] :h cmdline-specialⓘ [illegible] <Tab> [illegible]

```
⇒ :edit %:h<Tab>
```

:h[illegible] :h ::hⓘ [illegible] %:h<Tab> [illegible]

```
⇛ :edit app/controllers/
```

□□□□□□□□□ Main.js□□□□□ Tab □□□□□□□□□□□□□ Vim □□□□
□□□□□□□□□□□□□□□□□□□□□□

```
⇛ :edit %:h <Tab> M <Tab><Tab>
```

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> □□□□□□□□□□□□□
>
> □□□□□□□□□□□ vimrc □□□
>
> ```
> cnoremap <expr> %% getcmdtype( ) == ':' ? expand('%:h').'/'
> : '%%'
> ```
>
> □□□□□ Vim □□□□□□□□□□ %% □□□□□□□□□□□□□□□□□□□ □□□□□□□□ %:h<Tab> □□□□□□□□□□□□□□□□ :edit □□□□□□□□ □□□□□□ Ex □□□□ :write□:saveas□:read□□□□□□□□□
>
> □□□□□□□□□□□□□□□□ Vimcasts □□□ :edit □□□□□[1]□

[illegible]43 [illegible]:find[illegible]

:find [illegible] ‘path’ [illegible]

[illegible] :edit [illegible] :find [illegible]

[illegible]

[illegible] files/mvc [illegible] shell [illegible] files/mvc [illegible] Vim[illegible]

```
⇒ $ cd code/files/mvc
⇒ $ vim index.html
```

[illegible] :find [illegible]

```
⇒ :find Main.js
[illegible]  E345: Can't find file "Main.js" in path
```

[illegible] Main.js [illegible]

[illegible] 'path' [illegible]

'path' [illegible] :find [illegible]Vim [illegible] :h 'path' ⓘ[illegible]app/controllers [illegible] app/views [illegible]

```
⇒ :set path+=app/**
```

[illegible] app/ [illegible]38[illegible]“[illegible]”[illegible] * [illegible] [illegible] 'path' [illegible] :h file-

searching□□□ 'path' □□□□□□□□□□□Vim□□□□□□□□ shell□□
□□

> □□ rails.vim □□□□□□□□
>
> Tim Pope□rails.vim □□[2]□Rails□□□□□□□□□□□□□□□□□□□
> □□□□□□□□□□□□□□□□□□□ 'path' □□□□□□□Rails□□□□□□□□□□□
> □□□□□□□□□□ :find □□□□□□□□□□□□□ 'path'□
>
> □□ rails.vim □□□□□□□□□□□□□□□□□□□□□□□□□
> :Rcontroller□:Rmodel□:Rview□□□□□□□□□□□□□□□□□□□□□□
> :find □□□□□□□□□□□□□□□□□□□□

□□:find□□□□□□□□□□□□

□□ 'path' □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
app/controllers/Navigation.js □□□□□□□□□□□□

```
⇛ :find Navigation.js
```

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□□□□□□□□□□□□□□□□

□□
Main.js □□□□□□□ app/controllers □□□□□□□□ app/views □□
□□

```
⇛ :find Main.js<Tab>
```

□□□□□ Main.js □□□□□□□<Tab> □□Vim □□□□□□□□□□□□□□□□
□□□□□□□ ./app/controllers/Main.js□□□□□<Tab> □□□□□□□
□□□□□□□□□□□□□□□□ ./app/views/Main.js□□□□□□□□□□□□□□□□

[illegible]Vim [illegible]<Tab> [illegible] Vim [illegible]

[illegible] 'wildmode'[illegible]“full”[illegible] Tab [illegible]32[illegible]

□□44 □□netrw □□□□□□

> □□□□□□□□□□□□□□Vim □□□□□□□□□□□Vim □□□□□□□
> netrw □□□□□□□□□□□□□□

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essential.vim

```
set nocompatible
filetype plugin on
```

□□ netrw —Vim□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□Vim□□□Vim□□□□□□□□□□□□□□

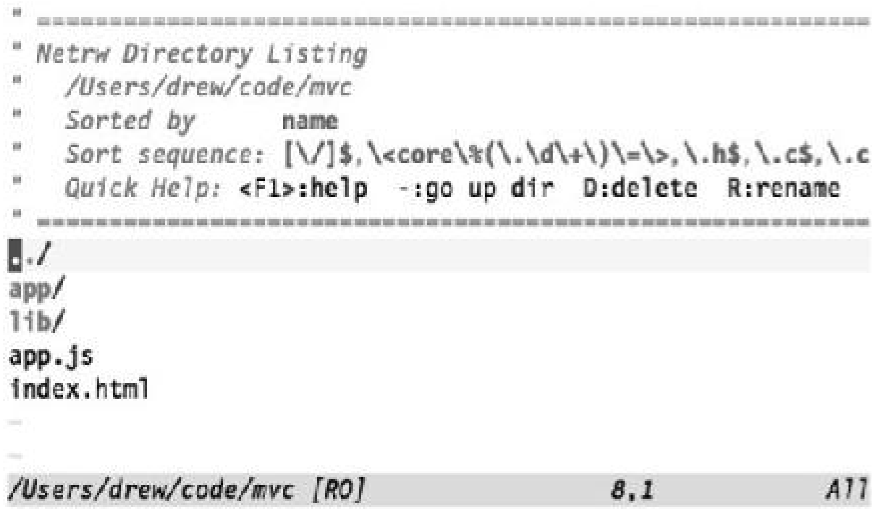
```
⇛ $ cd code/file/mvc
⇛ $ ls
□ app      app.js    index.html     lib
⇛ $ vim .
```

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□7-1 netrw —— Vim□“□□”□□□□□

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□□□ :edit {path} □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□ {path} □□□□□□□.□□□□□□□□□□□□□□□□□□ :edit .□□□□□□ □□□□□□□□□□□□□□□□

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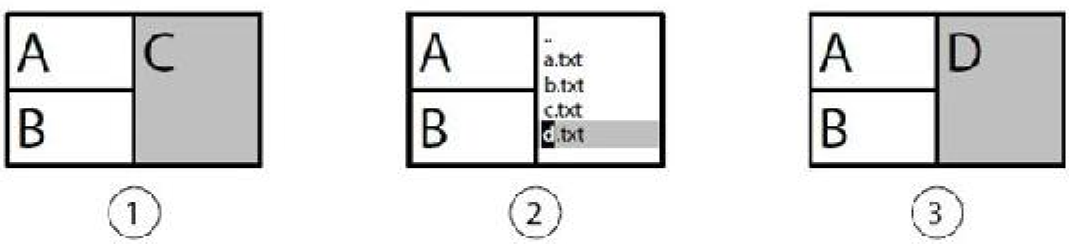
Ex [illegible]	[illegible]	[illegible]
:edit .	:e.	[illegible]
:Explore	:E	[illegible]

[illegible] `:Explore` [illegible]netrw [illegible] `:Sexplore` [illegible] `:Vexplore` [illegible]

[illegible]

[illegible]project drawer[illegible] Vim [illegible] `:E` [illegible] `:e.` [illegible]Vim[illegible]

[illegible]



[illegible]3[illegible]Vim [illegible]

[illegible]C[illegible]

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> □□□□□□□□□□□□□□□□□□Vim □□□□□□□□□□□□□□□□□□□
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:edit {file} □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Vim □□□□□□□□□□□□□□□□□□□<C-g> □□□□□□□□□□□□□□“□□□”□<C-g> □□□□□□□□□□□□□□□□□□□□ :h CTRL-G ⓘ □□□□□□□□:write □□□□Vim □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□ :edit {file} □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
⇒ :edit madeup/dir/doesnotexist.yet
⇒ :write
□ "madeup/dir/doesnotexist.yet" E212: Can't open file for writing
```

□□□□□madeup/dir □□□□□□□□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□□“□□□”□□□□□□□□□□□□□□□□□Vim □□□□□□□□□□□□□□□□□□□□□□□□ mkdir □□□□□□□□□

```
⇒ :!mkdir -p %:h
⇒ :write
```

-p □□ mkdir □□□□□□□□□□□□□□□ %:h □□□□□□□□□□□□□42□□“□□□□□□□□□□□□□□□”□

[illegible]46 [illegible]

> [illegible] Vim [illegible] sudo [illegible] Vim[illegible]sudo [illegible]shell [illegible]

[illegible] GVim [illegible] Windows [illegible] UNIX [illegible] Vim [illegible]

[illegible] /etc/hosts [illegible] root [illegible]“drew”[illegible]

```
⇒ $ ls -al /etc/ | grep hosts
❮ -rw-r--r--   1 root wheel     634 6 Apr 15:59 hosts
⇒ $ whoami
❮ drew
```

[illegible] drew[illegible]

```
⇒ $ vim /etc/hosts
```

[illegible]<C-g> [illegible] Vim [illegible] [readonly][illegible]

[illegible] Go [illegible]Vim [illegible]“W10: Waming : Changing a readonly file[illegible]Vim [illegible]

Vim [illegible]

```
⇒ :write
□  E45: 'readonly' option is set (add ! to override)
```

[illegible]“[illegible]”[illegible]

```
⇒ :write!
□  "/etc/hosts" E212: Can't open file for writing
```

[illegible] /etc/hosts [illegible]

[illegible] root [illegible] drew [illegible] Vim[illegible]

```
⇒ :w !sudo tee % > /dev/null
□ Password:
   W12: Warning: File "hosts" has changed and the buffer was
   changed in Vim as well
   [O]k, (L)oad File, Load (A)ll, (I)gnore All:
```

[illegible]Vim [illegible] drew[illegible] Vim [illegible] l [illegible]

[illegible] :write !{cmd} [illegible] {cmd}[illegible]{cmd} [illegible] :h :write_c [illegible]Vim [illegible] drew [illegible]tee[illegible]sudo[illegible] /etc/hosts [illegible]

[illegible] Vim [illegible]% [illegible] :h :_% [illegible] /etc/hosts[illegible]tee /etc/hosts > /dev/null[illegible] /etc/hosts [illegible]

[illegible]Vim [illegible] Vim [illegible]

[1] http: //vimcasts . org /episodes/the-edit–command /

[2] https://github.com/tpope/vim-rails

[3] http://vimcasts.org/e/15

[4] netrw□ across NETwork Read and Write files□□□□——□□□

[illegible]

[illegible]Vim[illegible] Vim [illegible]

[illegible]8[illegible] [illegible]

Vim[illegible]motion[illegible]

[illegible]47[illegible]Vim [illegible]49[illegible]50[illegible]51[illegible]

[illegible]12[illegible]52[illegible]53[illegible]

Vim [illegible] Vim [illegible] `:h motion.txt` [illegible]

[illegible]47 [illegible]

> Vim [illegible] Vim[illegible]

[illegible][1][illegible]home row[illegible] Qwerty[illegible] a[illegible]s[illegible]d[illegible]f [illegible] j[illegible]k[illegible]l[illegible]; [illegible]

[illegible]Vim[illegible]Vim [illegible] h[illegible]j[illegible]k[illegible]l [illegible]

[illegible]	[illegible]
h	[illegible]
l	[illegible]
j	[illegible]
k	[illegible]

[illegible] j [illegible] k [illegible] l [illegible][2][illegible]

[illegible] j [illegible]Qwerty [illegible]h [illegible] l [illegible]

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□□ h□j□k □ l □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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□ Qwerty □□□□j□k □ l □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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□□ h □□
□□□□□□□□□□□□□□□□49□□□50□□

□□□□□□□□ h □ l □□□□ “□□□□”□off-by-one errors[3]□□□□□□□□□
□□ h □□□□□□
□□□ Qwerty □□
50□□□□□□□□□ ; □□□□□□□□□□

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>
> **motions/disable-arrowkeys.vim**
>
> ```
> noremap <Up><Nop>
> noremap <Down><Nop>
> noremap <Left><Nop>
> noremap <Right><Nop>
> ```

[illegible]h[illegible]j[illegible]k[illegible]l[illegible]

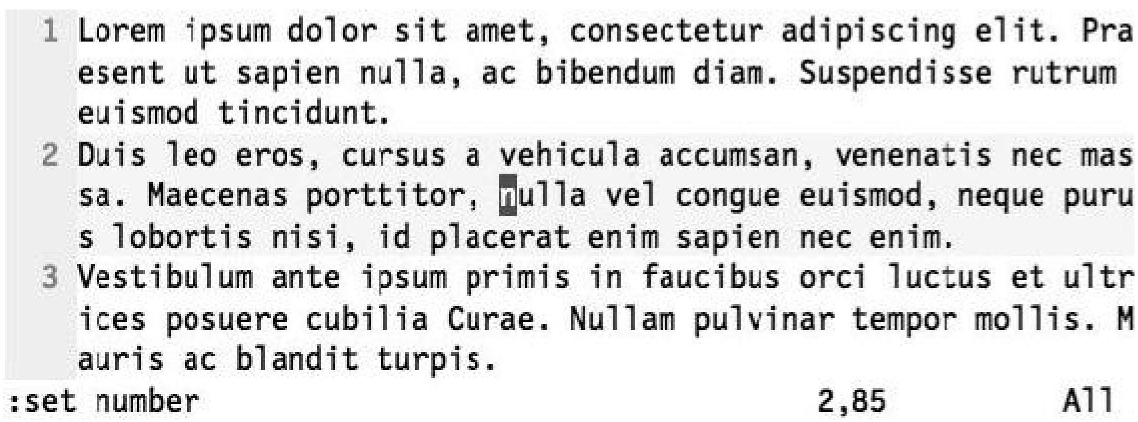
[illegible]vimrc[illegible]h[illegible]j[illegible]k [illegible] l [illegible]

[illegible]48 [illegible]

> [illegible]Vim [illegible]

[illegible]Vim [illegible] ‘wrap’ [illegible]

[illegible] ‘number’ [illegible]3[illegible]9[illegible]


```
1 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Pra
  esent ut sapien nulla, ac bibendum diam. Suspendisse rutrum
  euismod tincidunt.
2 Duis leo eros, cursus a vehicula accumsan, venenatis nec mas
  sa. Maecenas porttitor, nulla vel congue euismod, neque puru
  s lobortis nisi, id placerat enim sapien nec enim.
3 Vestibulum ante ipsum primis in faucibus orci luctus et ultr
  ices posuere cubilia Curae. Nullam pulvinar tempor mollis. M
  auris ac blandit turpis.
:set number                                 2,85          All
```

[illegible] Vim [illegible]j [illegible] k [illegible]gj [illegible] gk [illegible]

[illegible]“vehicula”[illegible] gk [illegible] k [illegible]“ac”[illegible]

[illegible]Vim [illegible]

□□	□□□□
j	□□□□□□□□□
gj	□□□□□□□□□
k	□□□□□□□□□
gk	□□□□□□□□□
0	□□□□□□□□□
g0	□□□□□□□□□
^	□□□□□□□□□□□□□□□
g^	□□□□□□□□□□□□□□□
$	□□□□□□□□□
g$	□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□ j□k□0 □ $ □□□□□□□□□□□□□□□□□□□□□□□□□□□ g □□□□□□□□□□ Vim □□□□□□□□□□□□

□Vim□□ Vim □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ gj □ gk □□□□□□□□□□□□ j □ k □□□□□□□□□□□□□□□□□□□□□□□□

> [illegible]
>
> [illegible] j [illegible] k [illegible] vimrc [illegible]
>
> **motions/cursor-maps.vim**
>
> ```
> nnoremap k gk
> nnoremap gk k
> nnoremap j gj
> nnoremap gj j
> ```
>
> [illegible] j [illegible] k [illegible] gj [illegible] gk [illegible] Vim [illegible] Vim[illegible] Vim [illegible]

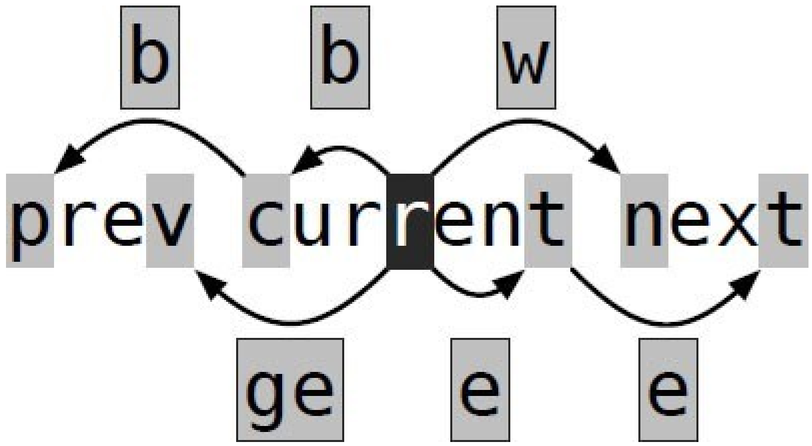
[illegible]49 [illegible]

> Vim [illegible]
> [illegible]

Vim [illegible] :h word-motions [illegible]

[illegible]	[illegible]
w	[illegible]
b	[illegible]/[illegible]
e	[illegible]/[illegible]
ge	[illegible]

[illegible]w [illegible] b [illegible]e [illegible] ge [illegible] w [illegible] e [illegible]b [illegible] ge [illegible]



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□□□□□□□□□□□“(for-)word”□“back-word”□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□ h □ l □□□□□□□□□□□□

e □ ge □□
□□□“fast”□□“faster”□□
□□□□□

□□□□	□□□□□
{start}	Go **f**ast.
eaer<Esc>	Go faste**r**.

□ ea □□□□□□□□□□□□□“□□□□□□□□□□□□□”□□□□□□□ ea□□□□□□□□□□□□□
□□□□□□□□□□□□□□□ gea □□□□□“□□□□□□□□□□□□”□□□□□□□□□□□□□□□□□

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□□□Vim □□□□□□□□□□□
□□□□□□□□□“□□”□word□□“□□”□WORD□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ W□B□E □ gE□

[illegible] `:h word` ⓘ [illegible] `:h WORD` ⓘ [illegible]

[illegible] Vim [illegible]

```
e.g. we're going too slow
```

[illegible]5[illegible]10[illegible]5[illegible]10[illegible] `w` [illegible]

[illegible]	[illegible]
{start}	**e**.g. we're going too slow
wwww	e.g. **w**e're going too slow
www	e.g. we're **g**oing too slow

[illegible]

[illegible]	[illegible]
{start}	**e**.g. we're going too slow
W	e.g. **w**e're going too slow
W	e.g. we're **g**oing too slow

[illegible]“we”[illegible]

[illegible]“we”[illegible]“you”[illegible]

[illegible]	[illegible]
{start}	e.g. **w**e're going too slow
cwyou<Esc>	e.g. yo**u**'re going too slow

[illegible]“we’re”[illegible]“it’s”[illegible]

[illegible]	[illegible]
{start}	e.g. **w**e're going too slow
cWit's<Esc>	e.g. it'**s** going too slow

[illegible]

[illegible]50 [illegible]

> Vim [illegible]

f{char} [illegible] Vim [illegible] :h f [illegible]

[illegible]

[illegible]	[illegible]
{start}	**F**ind the first occurrence of {char} and move to it.
fx	**F**ind the first occurrence of {char} and move to it.
fo	Find the first **o**ccurrence of {char} and move to it.

[illegible]fx [illegible]Vim [illegible]“x”[illegible] fo [illegible]“o”[illegible]

[illegible]“occurrence”[illegible] f{char} [illegible] Vim[illegible]

[illegible]f{char} [illegible]“{char}”[illegible]“c”[illegible] fc [illegible]

[illegible]	[illegible]
{start}	**F**ind the first occurrence of {char} and move to it.
fc	Find the first o**c**currence of {char} and move to it.
;	Find the first oc**c**urrence of {char} and move to it.
;	Find the first occurren**c**e of {char} and move to it.
;	Find the first occurrence of {**c**har} and move to it.

[illegible]“c”[illegible] `fc` [illegible]Vim [illegible] `f{char}` [illegible] `;` [illegible] `:h ;` ⓘ[illegible]3[illegible] `;` [illegible]

`f{char}` [illegible] `;` [illegible] `;` [illegible]“of”[illegible]

[illegible]	[illegible]
{start}	**F**ind the first occurrence of {char} and move to it.
fo	Find the first **o**ccurrence of {char} and move to it.
;;	Find the first occurrence of {char} and m**o**ve to it.
,	Find the first occurrence **o**f {char} and move to it.

[illegible] , [illegible] f{char} [illegible] :h , [illegible]4[illegible] , `` [illegible] ; [illegible]

> [illegible]
>
> Vim [illegible] Vim [illegible] <Leader> [illegible] <Leader> [illegible]
>
> ```
> noremap <Leader>n nzz
> noremap <Leader>N Nzz
> ```
>
> [illegible] <Leader> [illegible] \ [illegible] \n [illegible] \N [illegible] :h zz[illegible]
>
> [illegible] \ [illegible] Vim [illegible] <Leader> [illegible] :h mapleader [illegible] <Leader> [illegible]
>
> ```
> let mapleader=","
> noremap \ ,
> ```
>
> ; [illegible] , [illegible]

[illegible]

f{char}[illegible]; [illegible] , [illegible]

[illegible]	[illegible]

□□	□□
f{char}	□□□□□□□□ {char} □□□□
F{char}	□□□□□□□□ {char} □□□□
t{char}	□□□□□□□□ {char} □□□□□□□□□□□□
T{char}	□□□□□□□□ {char} □□□□□□□□□□□□
;	□□□□□□□□□□□
,	□□□□□□□□□□□□□□□

□□□ `t{char}` □ `T{char}` □□□□“□□□□□□□□□□□□□”□search till the specified character□□□□□□□□□□□□□□ {char} □□□□□□□□□□ `f{char}` □ `F{char}` □□□□□□□□□□□□□□□□

□□

□□□□	□□□□□
{start}	**I**'ve been expecting you, Mister Bond.
f,	I've been expecting you**,** Mister Bond.
dt.	I've been expecting you**.**

[illegible] f, [illegible]
[illegible] dt. [illegible]

[illegible] dfd [illegible]“Bond”[illegible]
[illegible] dt. [illegible]“d”[illegible]
[illegible] f,dt. [illegible]

[illegible] f{char} [illegible] F{char}
[illegible] d{motion} [illegible] c{motion} [illegible] t{char} [illegible]
T{char} [illegible] f [illegible] F[illegible] t [illegible]T[illegible]
[illegible]12[illegible]

[illegible]Scrabble®[4][illegible]

[illegible]Scrabble[illegible]
[illegible] f{char} [illegible]
[illegible]

[illegible]

```
Improve your writing by deleting excellent adjectives.
```

[illegible]“excellent”[illegible]
[illegible] fe[illegible] ;;; [illegible] fx[illegible]
[illegible] daw [illegible] aw [illegible]
53[illegible]

[illegible]
[illegible]
[illegible]

[illegible]51 [illegible]

> [illegible]

[illegible]f{char[illegible]t{char}[illegible]

[illegible]“takes”[illegible]

motions/search-haiku.txt

```
search for your target
it only takes a moment
to get where you want
```

[illegible] /takes<CR>[illegible]

[illegible]	[illegible]
{start}	**s**earch for your target it only takes a moment to get where you want
/ta**<CR>**	search for your **ta**rget it only **ta**kes a moment to get where you want

[illegible]	[illegible]
/tak**<CR>**	search for your target it only **tak**es a moment to get where you want

[illegible]“ta”[illegible]3[illegible]“tak”[illegible]

[illegible]“ta”[illegible] n [illegible]n [illegible] N [illegible]4[illegible]

[illegible] fe [illegible] e [illegible]e [illegible] x[illegible]

[illegible]“takes”[illegible] ‘hlsearch’ [illegible] ‘hlsearch’ [illegible] ‘incsearch’ [illegible]82[illegible]

[illegible]

[illegible]“takes time but eventually”[illegible]

[illegible]	[illegible]
v	This phrase **t**akes time but eventually gets to the point.

[illegible]	[illegible]
/ge**<CR>**	This phrase **takes time but eventually g** ets to the point.
h	This phrase **takes time but eventually g**ets to the point.
d	This phrase gets to the point.

[illegible] v [illegible]“ge”[illegible]“[illegible]”[illegible]get [illegible]“g”[illegible] h [illegible] d [illegible]

[illegible]

[illegible]	[illegible]
{start}	This phrase **t**akes time but eventually gets to the point.
d/ge**<CR>**	This phrase **g**ets to the point.

[illegible] `/ge<CR>` [illegible] `d{motion}` [illegible]“gets”[illegible]“g”[illegible] `:h exclusive` [illegible]

[illegible]23[illegible] `d{motion}` [illegible]

[illegible]52 [illegible]

> [illegible]XML[illegible]

[illegible]

motions/template.js

```
var tpl = [
  '<a href="{url}">{title}</a>'
]
```

[illegible] { [illegible] }[illegible] [[illegible]] [illegible]< [illegible] >[illegible] HTML[illegible]<a> [illegible] [illegible]

[illegible]Vim [illegible] `:h text-objects` ⓘ[illegible]

[illegible]{}[illegible] `vi}`[illegible]

[illegible]	[illegible]
{start}	var tpl = ['{title}']
vi}	var tpl = ['{title}']

[illegible]	[illegible]
a"	var tpl = ['{title}']
i>	var tpl = ['<**a href="{url}"**>{title}']
it	var tpl = ['**{title}**']
at	var tpl = ['**{title}**']
a]	var tpl = **[** **'{title}'** **]**

[illegible] l[illegible]w [illegible] f{char} [illegible]

[illegible] vi} [illegible]Vim [illegible] {} [illegible] i} [illegible]

[illegible]a” [illegible] i> [illegible]

Vim [illegible] i [illegible] a[illegible] i [illegible] a [illegible] i [illegible]“inside”[illegible] a [illegible]“around”[illegible]“all”[illegible]

□□□□□□□□□□□□□□□□□□□□□□ i □□□□□ a □□□□□□□□□□□ it □
at □□□□□□□□□□□□□□□□□□□□ a] □□□□□□□□□□

□8—1□□□□□ Vim □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
i(□ i) □□□a[□ a] □□□□□□□□□□□□□□□□□

□8-1 □□□□□□□

□□□□	□□□□	□□□□	□□□□
a) □ ab	□□□□□ (parentheses)	**i) □ ib**	□□□ (parentheses) □□
a} □ aB	□□□□□ {braces}	**i} □ iB**	□□□ {braces} □□
a]	□□□□□ [brackets]	**i]**	□□□ [brackets] □□
a>	□□□□□ <angle brackets>	**i>**	□□□ <angle brackets> □□
a'	□□□□□ 'single quotes'	**i'**	□□□ 'single quotes' □□
a"	□□□□□ "double quotes"	**i"**	□□□ "double quotes" □□
a`	□□□□□ `backticks`	**i`**	□□□ `backticks` □□
at	□□ XML □□ <xml>tags</xml>	**it**	XML□□<xml>tags</xml> □□

□□□□□□□□□□

[illegible]

[illegible] {motion} [illegible] d{motion}[illegible]c{motion}[illegible] y{motion} [illegible]2-1[illegible]

[illegible] c{motion} [illegible]:h c ⓘ[illegible] {url} [illegible] #[illegible]{title}[illegible]

[illegible]	[illegible]
{start}	'{title}'
ci" #<Esc>	'{title}'
citclick here<Esc>	'click here'

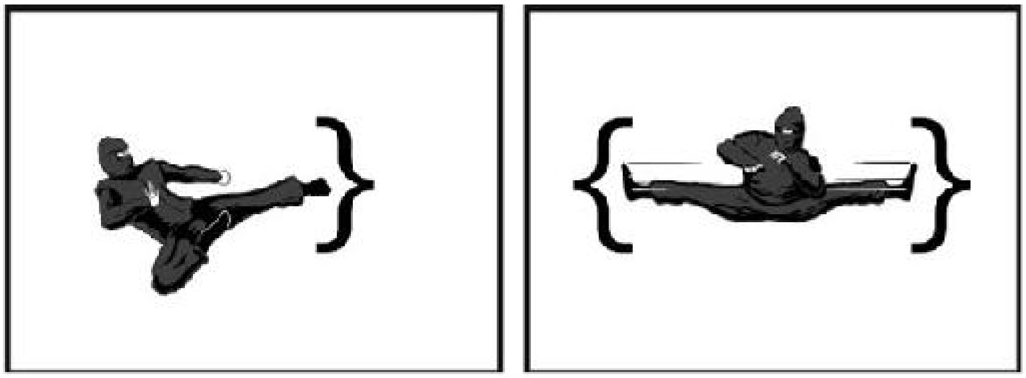
[illegible] ci" [illegible]“[illegible]”[illegible] cit [illegible]“[illegible]”[illegible] yit [illegible] dit [illegible]

[illegible]

[illegible]3[illegible]self-documenting[illegible]12[illegible]

[illegible]50[illegible]51[illegible] f{char} [illegible] /target<CR> [illegible]

[illegible] f{char} [illegible] /pattern <CR> [illegible]8-1[illegible]



[illegible]8-1 Vim[illegible]

[illegible]53 [illegible]

> [illegible]

Vim [illegible] i)、i"、it [illegible]

[illegible]8-2[illegible]

[illegible]8-2 [illegible]

[illegible]	[illegible]
iw	[illegible]
aw	[illegible]
iW	[illegible]
aW	[illegible]
is	[illegible]
as	[illegible]
ip	[illegible]

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ap	□□□□□□□□□

□□□□□□□□“□□□□□□□”□□“□□□□□□”□Vim □□□□□□□□□“□□□”□block object□□“□□□□”(non-block object)□□□□□□□□□□□□□□□□□□

□□□□ iw □ aw □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□inside the word□□□□□□□around the word□□□□□□□□□□□□□□□

iw □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□aw □□□ Vim □□□□□□□□□□□□□□□□49□

iw □ aw □□

□□□□□□□□□□□□□□“excellent”□□□□□□ daw □□□

□□□□	□□□□□
{start}	Improve your writing by deleting e**x**cellent adjectives.
daw	Improve your writing by deleting **a**djectives.

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ diw□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ ciw □□□

[illegible]	[illegible]
{start}	Improve your writing by deleting e**x**cellent adjectives.
ciwmost<Esc>	Improve your writing by deleting mos**t** adjectives.

`ciw` [illegible] caw[illegible]“mostadjectives”[illegible]

[illegible]d{motion} [illegible] aw[illegible]as [illegible] ap [illegible] c{motion} [illegible] iw [illegible]

[illegible]54 [illegible]

> Vim [illegible] Vim [illegible]

`m{a-zA-Z}` [illegible] `:h m` [illegible]59[illegible]Vim [illegible]

Vim [illegible]`'{mark}` [illegible]`` `{mark} `` [illegible] `:h mark-motions` [illegible]

[illegible] `` `{mark} `` [illegible] Ex [illegible]‘`{mark}` [illegible]28[illegible]

`mm` [illegible] `` `m `` [illegible] m[illegible]

[illegible]

[illegible]26[illegible] Vim [illegible] vi [illegible] vi [illegible] Vim [illegible]

[illegible] Vim [illegible]Vim [illegible]8-3[illegible]

表8-3　Vim的自动位置标记

位置标记	跳转到
``	当前文件中上次跳转动作之前的位置
`.	上次修改的地方
`^	上次插入的地方
`[	上次修改或复制的起始位置
`]	上次修改或复制的结束位置
`<	上次高亮选区的起始位置
`>	上次高亮选区的结束位置

`` 标记对跳转列表是一个补充，我们将在技巧56中看到其应用。`. 标记对改变列表是一个补充，这将在技巧57中进行介绍。

高亮选区的起始和结束位置都会被自动保存为位置标记，因此我们甚至可以把可视模式当成是一种跳转。

□□55 □□□□□□□

> Vim □□□□□□□□□□□□□□□□□□□□□□□□□□□ matchit.vim □
> □□□□□□□□□□□□□□ XML □□□□□□□□□□□□□□□□□□

% □□□□□□□□□□□□□□□□□□ `:h %` ⓘ □□□□□□□ ()□{}□□[]□□□□□
□□

□□□□	□□□□□
{start}	console.log**(**[{'a':1},{'b':2}])
%	console.log([{'a':1},{'b':2}]**)**
h	console.log([{'a':1},{'b':2}**]**)
%	console.log(**[**{'a':1},{'b':2}])
l	console.log([**{**'a':1},{'b':2}])
%	console.log([{'a':1**}**,{'b':2}])

□□□□□□□□□□□□□ %□□□□□□□□Ruby□□□

motions/parentheses.rb

```
cities = %w{London Berlin New \ York}
```

□□□□ %w{London Berlin New\ York} □□□□□□□□ ["London", "Berlin", "New York"]□□□□□□□□□□□□□□□□□□□□ % □□□□□□□□□□□□□□□□□□□

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□□□□□□□□□□□□□□□□ % □□□□□ % □□□Vim □□□□□□□□□□□□□□□□□□□□□□□□ `` □□□□□□□□□□□□□

□□□□	□□□□□
{start}	cities = **%**w{London Berlin New\ York}
dt{	cities = **{**London Berlin New\ York}
%	cities = {London Berlin New\ York**}**
r]	cities = {London Berlin New\ York**}**
``	cities = **{**London Berlin New\ York}
r[	cities = **[**London Berlin New\ York]

> **□□□**
>
> □□□□□<C-o> □□□□□□ `` □□□□□□□□□□□□□56□□□□□□□□□□ surround.vim□□□□□□ □□□□□□□□□□□□□□□□□□□□**Surround.vim**□

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Vim □□□□□□□□□□ matchit□□□□□□□□ % □□□□□□□□□□□□□□% □□□□□□□□□□□□□□□□□□□□□□□□HTML□□□□□ % □□□□□□□□□□□□□□□□□□□□Ruby□□□□□□□□□□□□□ class/end□def/end□□□ if/end □□□□

□□matchit □ Vim□□□□□□□□□□□□□□□□□□vimrc □□ Vim □□□□□□□ matchit □□□

```
set nocompatible
filetype plugin on
runtime macros/matchit.vim
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ :h matchit-install □

Surround.vim

□□□□□□□□□□□Tim Pope □□surround.vim[5]□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ New York □□□□□□□□

□□□□	□□□□□
{start}	cities = ["London", "Berlin", **N**ew York]
vee	cities = ["London", "Berlin", **New York**]
S"	cities = ["London", "Berlin", **"**New York"]

S" □□□surround.vim □□□□□□□□□□□□□□□□□"□□□□□□□□□□□□□□□□□"□Surround the selection with a pair of double quote marks□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ S) □ S}□□□□

> [illegible]surround.vim[illegible] cs }] [illegible] { London } [illegible][London][illegible]“[illegible]{}[illegible] []”[illegible]Change surrounding {} braces to [] brackets[illegible] cs]} [illegible]

---

[1] Home row[illegible]ASDFGHJKL [illegible]“home row”[illegible]“[illegible]”[illegible]——[illegible]

[2] http://www.catonmat.net/blog/why-vim-uses-hjkl-as-arrow-keys/

[3] off-by-one errors[illegible]“[illegible]”[illegible]——[illegible]

[4] Scrabble***®*** [illegible]——[illegible]

[5] http://github.com/tpope/vim-surround

□9□ □□□□□

[illegible]Vim [illegible]“□□”[1][illegible]Vim[illegible]

□□56 □□□□□□

> Vim □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□Vim□□□□□□□□□□□ <C-o> □□□□□□□□□□□ <C-i> □□□□□□□□□□□□□ Vim □□□□□□□□□□□□□□□□□

□□□

```
⇒ :jumps
□ jump  line  col file/text
      4     12      2 <recipe id="sec.jump.list">
      3    114      2 <recipe id="sec.change.list">
      2    169      2 <recipe id="sec.gf">
      1    290      2 <recipe id="sec.global.marks">
>
Press Enter or type command to continue
```

□□□□□□□□□□□□□□□□□□□□□Vim □□□□□□□□□□□□□□□□□□□□□□□□□□ :edit□□□□□□□□□□□42□□□□□ <C-o> □ <C-i> □□□□□□□□□□□□□□□□

□ [count]G □□□

□□□□□□□□□

□□	□□

[illegible]	[illegible]
[count]G	[illegible]
/pattern**<CR>**/?pattern**<CR>**/**n**/**N**	[illegible]/[illegible]
%	[illegible]
(/**)**	[illegible]/[illegible]
{/**}**	[illegible]/[illegible]
H/**M**/**L**	[illegible]/[illegible]/[illegible]
gf	[illegible]
<C-]>	[illegible]
’{mark}/`**{mark}**	[illegible]

`<C-o>` [illegible] `<C-i>` [illegible]“[illegible]”[2][illegible]

Vim [illegible] `<C-o>` [illegible] `<C-i>` [illegible]

> [illegible] Tab [illegible]

> [illegible] <C-i>[illegible] <Tab> [illegible]
> Vim [illegible] <C-i> [illegible] <Tab> [illegible]
>
> [illegible] <Tab> [illegible] <C-i> [illegible]
> [illegible] <Tab> [illegible]
> [illegible] <C-i> [illegible]
> [illegible]

[illegible]57 [illegible]

> [illegible]Vim [illegible]
> [illegible]

[illegible] u<C-r> [illegible]

Vim [illegible]（change list[illegible] :h changelist ⓘ[illegible]

```
⇒ :changes
 change line col text
      3       1     8 Line one
      2       2     7 Line two
      1       3     9 Line three
   >
   Press ENTER or type command to continue
```

[illegible]Vim [illegible] g; [illegible] g, [illegible] ; [illegible] , [illegible] g; [illegible] g, [illegible] f{char} [illegible]50[illegible]

[illegible] g;[illegible] u<C-r> [illegible]

[illegible]

Vim [illegible] '. [illegible] :h '. ⓘ[illegible] `^ [illegible] :h^` ⓘ[illegible]

[illegible] `'.` [illegible] `g;` [illegible] `g;` [illegible] `` `. `` [illegible]

`'^` [illegible] `gi` [illegible] `:h gi` [illegible] `` `^ `` [illegible]

Vim [illegible]

[illegible]58 [illegible]

> Vim [illegible] gf [illegible]

[illegible] jumps [illegible]

```
practical_vim.rb
practical_vim/
  core.rb
  jumps.rb
  more.rb
  motions.rb
```

[illegible] shell [illegible] jumps [illegible] Vim[illegible] -u NONE -N [illegible] Vim[illegible] Vim [illegible]

```
⇒ $ cd code/jumps
⇒ $ vim -u NONE -N practical_vim.rb
```

practical_vim.rb[illegible] core.rb [illegible] more.rb[illegible]

jumps/practical_vim.rb

```
require 'practical_vim/core'
require 'practical_vim/more'
```

[illegible] require [illegible] Vim [illegible] `gf` [illegible]“go to file”[illegible] `:h gf` ⓘ [illegible]

[illegible] `'practical_vim/core'` [illegible] `fp` [illegible] `gf` [illegible]“E447: [illegible]‘practical_vim/core’”[illegible]

□□□□Vim □□□□□□□practical_vim/core □□□□□□□□□□□□□□□□□□□□□□□□□□□ practical_vim/core.rb □□□□□□□□□□□□□□□□□□□□□□□□□ Vim □□□□□□□□□□□□□□□□□□□□□□□□ .rb □□□□□□□ ‘suffixesadd’ □□□□□□□

□□□□□□

‘suffixesadd’ □□□□□□□□□□□□□□□ Vim □ gf □□□□□□□□□□□□□□□□□□□ :h 'suffixesadd' ⓘ□□□□□□□□□□□□□□

```
⇒ :set suffixesadd+=.rb
```

□□□□□ gf □□Vim □□□□□□□□□□□□□□□□□□□ more.rb □□□□□□□□□□□□□□□ require □□□□□□□□ gf □□□□

□□□ gf □□□Vim □□□□□□□□□□□□□□□□□□□ <C-o> □□□□□□□□□□56□□□□□□□□□ <C-o> □□□ more.rb □□□□□□□□ practical_vim.rb□□

□□□□□□

□□□□□□ require □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□rubygem□□□□□□

□□□ 'path' □□□□□□□ :h 'path' ⓘ□□□□□□□□□□□□□□□□□□□□□ gf □□□Vim □□□ 'path' □□□□□□□□□□□□□□□□□□□□□□□□□□□□□'path' □□□□□ :find □□□□□□□43□□□□□□□

□□□□□□□□□ 'path' □□□□

```
⇒ :set path?
□ path=.,/usr/include,,
```

□□□□□. □□□ 'path' □□□□□□□□□□

□□□□□ `'path'` □□□□□□ Ruby□□□□□□□ rubygems □□□□□□□□ □□□□□□□□□□□□□□ `gf` □□□□□□ `require` □□□□□□□□□□□□□□□□□□ □□□□□□□ Tim Pope □bundler.vim □□[3]□□□□□□□□ `Gemfile` □□□ □□ `'path'` □□□

□□

□□□□□□□□□□□□□□ Vim □□□□□□□□□□□□ Vim□□□□□□□□□□□ Ruby□□□□□□□□□□□□□ `'suffixesadd'` □`'path'` □□□□□□□□ Ruby □□□□□□□□□□□□□ github □□□□□□□□□□□□□□□□□□□□□□□□□ □□[4]

`'suffixesadd'`□ `'path'` □□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□ Ruby □□□Vim □□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `gf` □□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

`<C-]>` □□□□□□□□□□□□□□□□□□□□□□□103□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□104□□□□□□□□□

□□□□□□□□□□□“□□□□□”□□□□□□□□□□□□□□`gf` □ `<C-]>` □□□□“□ □”□□□□□□□□□□□□□□□□□□□□□□

[illegible]59 [illegible]

> [illegible]

m{letter} [illegible] :h m [illegible] '{letter} [illegible] :h ' [illegible]

[illegible]vimrc [illegible] mV [illegible]V [illegible] vimrc[illegible] 'V[illegible] vimrc[illegible] :h 'viminfo' [illegible] vimrc [illegible] V [illegible]

[illegible]

[illegible]fooBar() [illegible] :vimgrep [illegible] 111[illegible]

```
⇒ :vimgrep /fooBar/ **
```

[illegible]:vimgrep [illegible] <C-o> [illegible] :vimgrep [illegible]

[illegible] fooBar[illegible] :vimgrep [illegible] quickfix [illegible] :vimgrep [illegible]

[illegible] <C-o> [illegible] :vimgrep [illegible] mM[illegible] `M [illegible]

[illegible]

[illegible]“[illegible]”[illegible]

[illegible]quickfix[illegible] :grep[illegible]:vimgrep[illegible] :make[illegible] :args {arglist}[illegible] :argdo[illegible]38[illegible]

[illegible]26[illegible]

---

[1] [illegible]wormhole[illegible]-[illegible]Einstein-Rosen Bridge[illegible]“[illegible]”[illegible]——[illegible]

[2] [illegible]breadcrumb trail[illegible](Hansel And Gretel)[illegible]“[illegible]”[illegible]——[illegible]

[3] https://github.com/tpope/vim-bundler

[4] https://github.com/vim-ruby/vim-ruby

[illegible]

Vim[illegible]

[illegible]

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[illegible]10[illegible] [illegible]

Vim[illegible]3[illegible]**Vim**[illegible]60[illegible]Vim[illegible]delete[illegible]yank[illegible]put[illegible]

Vim[illegible]61[illegible]63[illegible]Vim[illegible]

[illegible]62[illegible]

[illegible]64[illegible]Vim[illegible]

技巧60　用无名寄存器实现删除、复制与粘贴操作

> Vim的删除、复制与粘贴命令都会用到众多寄存器中的某一个。我们可以通过给命令加上"{register}的方式指定要用的寄存器。若不指明，Vim将缺省使用无名寄存器。

让我们来看看复制粘贴的操作。在第3章，我们已接触过剪切、复制与粘贴，以及Vim处理这些操作时用到的术语。我们先看一些例子，这些例子在技巧61中会对Vim处理文本的一般方法有所提示，从中还能了解一些在使用无名寄存器时的注意事项。

调换字符

我在录入时常常会拼错一些单词，如果很快意识到这一错误，我可以用退格键删除错误的部分再重新录入。不过，如果我在后来才意识到这个错误，Vim也可以方便地修正这类错误。

假设在录入"Practical vim"时，出现了笔误：

按键操作	缓冲区内容
{start}	Practica lvi**m**
F␣	Practica█lvim
x	Practica**l**vim
p	Practical█vim

[illegible]F␣ [illegible]50[illegible]x [illegible]p[illegible]

[illegible] xp[illegible]“[illegible]”[illegible]

[illegible]

[illegible] x [illegible] dd [illegible]

[illegible]	[illegible]
{start}	**2**) line two 1) line one 3) line three
dd	**1**) line one 3) line three
p	1) line one **2**) line two 3) line three

p [illegible] xp [illegible]p [illegible]

[illegible] ddp[illegible]“[illegible]”[illegible]

[illegible]

[illegible]Vim[illegible]

[illegible]	[illegible]
{start}	1) line one **2**) line two
yyp	1) line one 2) line two **2**) line two

[illegible] ddp [illegible] yyp [illegible]

[illegible]

[illegible]Vim[illegible]

copy_and_paste/collection.js

```
collection = getCollection();
process(somethingInTheWay, target);
```

[illegible] collection [illegible] somethingInTheWay[illegible]10-1[illegible]

[illegible] yiw [illegible]

[illegible]“collection”[illegible] diw[illegible] somethingInTheWay[illegible]

[illegible]10-1 [illegible] **——** [illegible]

[illegible]	[illegible]

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yiw	**c**ollection = getCollection(); process(somethingInTheWay, target);
jww	collection = getCollection(); process(**s**omethingInTheWay, target);
diw	collection = getCollection(); process(**,** target)
P	collection = getCollection(); process(somethingInTheWa**y**, target)

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Jww	collection = getCollection(); process(**s**omethingInTheWay, target);
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"0P	collection = getCollection(); process(collectio**n**, target);

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⇒ :reg "0
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   ""  somethingInTheWay
   "0  collection
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jww	collection = getCollection(); process(**s**omethingInTheWay, target);
diw	collection = getCollection(); process(**,** target);
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jww	collection = getCollection(); process(**s**omethingInTheWay, target);
"_diw	collection = getCollection(); process(**,** target);
P	collection = getCollection(); process(collectio**n**, target);

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Vim[illegible] + [illegible] `:h quote+` ⓘ [illegible]

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yiw	**c**ollection = getCollection(); process(somethingInTheWay, target);
jw w	collection = getCollection(); process(**s**omethingInTheWay, target);
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P	collection = getCollection(); process(collectio**n**, target);

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[illegible] "0p[illegible] p [illegible] p[illegible] somethingInTheWay[illegible]

[illegible]API[illegible]API[illegible] setClipboard()[illegible] getClipboard() [illegible] setClipboard() [illegible] getClipboard()[illegible]Vim[illegible] p [illegible]

[illegible]

[illegible]

[illegible]Vim[illegible]“fish and chips”[illegible]

[illegible]	[illegible]
{start}	**I** like chips and fish.
fc	I like **c**hips and fish.
de	I like █and fish.
mm	I like █and fish.
ww	I like and **f**ish.
ve	I like and **fish**.

[illegible]	[illegible]
p	I like and **c**hips.
`m	I like █and chips.
P	I like fis**h** and chips.

[illegible] de [illegible]“chips”[illegible]“fish”[illegible] p [illegible]“chips”[illegible]“fish”[illegible]“chips”[illegible]“fish”[illegible]

[illegible] c3w [illegible]“chips and fish”[illegible]“fish and chips”[illegible]

`m{char}` [illegible] `` `{char} `` [illegible] 54[illegible]

[illegible]63 [illegible]

> [illegible]

[illegible]60[illegible] xp [illegible] ddp [illegible] p [illegible]

p [illegible] :h p [illegible]Vim[illegible]P [illegible]

[illegible] xp [illegible]p [illegible]

[illegible] ddp [illegible]p [illegible]

[illegible] p [illegible] dd[illegible]yy [illegible] dap[illegible]x[illegible]diw[illegible] das[illegible] p [illegible] :h linewise-register [illegible]

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[illegible]“collection”[illegible] p [illegible] P [illegible]

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collection = getCollection();
process(, target);
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[illegible]

```
collection = getCollection();
process(, target);
```

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[illegible] p [illegible] P [illegible] <C-r>{register} [illegible]

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[illegible]	[illegible]
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jww	collection = getCollection(); process(**s**omethingInTheWay,target);
ciw<C-r>0<Esc>	collection = getCollection(); process(collectio**n**, target);

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Vim[illegible] gp [illegible] gP [illegible]gP [illegible]

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```
⇒ $ vim -u NONE -N
```

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```
⇒ :set autoindent
```

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copy_and_paste/fizz.rb

```
[1,2,3,4,5,6,7,8,9,10].each do |n|
  if n%5==0
  puts "fizz"
  else
  puts n
  end
end
```

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[illegible] Linux [illegible] Windows [illegible] Ctrl-v [illegible] Visual-Block [illegible] 21 [illegible] 17 [illegible]

[illegible] Linux [illegible] Ctrl-v [illegible] Ctrl-Shift-v [illegible] Ctrl-Alt-v [illegible] "* [illegible]

[illegible]

[illegible]

```
[1,2,3,4,5,6,7,8,9,10].each do |n|
  if  n%5==0
     puts "fizz"
     else
     puts n
     end
     end
```

[illegible] Vim [illegible] 'autoindent' [illegible] Vim [illegible]

GVim [illegible] Vim [illegible] 'paste' [illegible] Vim“[illegible]”[illegible] 'paste' [illegible] Vim [illegible] 'autoindent' [illegible] :h 'paste' [illegible]

[illegible] 'paste' [illegible] Ex [illegible] :set paste! [illegible]

'paste'[illegible] Vim[illegible]'pastetoggle'[illegible] :h 'pastetoggle' [illegible]

```
⇒ :set pastetoggle=<f5>
```

[illegible] <f5> [illegible]'paste'[illegible] vimrc[illegible]

[illegible]'paste'[illegible]

[illegible]Vim[illegible] 'paste'[illegible] "+p [illegible]"+[illegible]"*[illegible] 'paste'[illegible]'autoindent'[illegible]

---

[1] [illegible]——[illegible]

[illegible]11[illegible] [illegible]

Vim[illegible] . [illegible]Vim[illegible]

[illegible]—[illegible]

[illegible]

[illegible]67[illegible]Vim[illegible]

[illegible]Vim[illegible]

[illegible]65 [illegible]

> [illegible]

[illegible]

[illegible]

q [illegible]“[illegible]”[illegible]“[illegible]”[illegible] q{register}[illegible]“[illegible]”[illegible]q [illegible]

[illegible]

[illegible]	[illegible]
qa	**f**oo = 1 bar = 'a' foobar = foo + bar
A;<Esc>	foo = 1**;** bar = 'a' foobar = foo + bar
Ivar␣<Esc>	var foo = 1; bar = 'a' foobar = foo + bar

□□□□	□□□□□
q	var foo = 1; bar = 'a' foobar = foo + bar

□□□□□ qa □□□□□□□□□□□□□□□□□a□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□var□□□□□□□□□□ q□□□□□□□□

□□□□□□□□□□□□□a□□□□□

```
⇒ :reg a
□ --- Registers ---
   "a   A;^[Ivar ^[
```

□□
□ ^[□□□□Esc□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□

□□□ @{register} □□□□□□□□□□□□□□□□:h @)□□□□□ @@ □□
□□□□□□□□□□

□□□□□□□□□

□□□□	□□□□□
{start}	var foo = 1; bar = 'a' foobar = foo + bar

[illegible]	[illegible]
j	var foo = 1; bar = 'a' foobar = foo + bar
@a	var foo = 1; var bar = 'a'; foobar = foo + bar
j@@	var foo = 1; var bar = 'a'; var foobar = foo + bar;

[illegible]Vim[illegible]

> **[illegible]**
>
> [illegible] @a [illegible] @@ [illegible]

[illegible] `j@a` [illegible] `j@@` [illegible] `.` [illegible] `j` [illegible] `@a` [illegible]

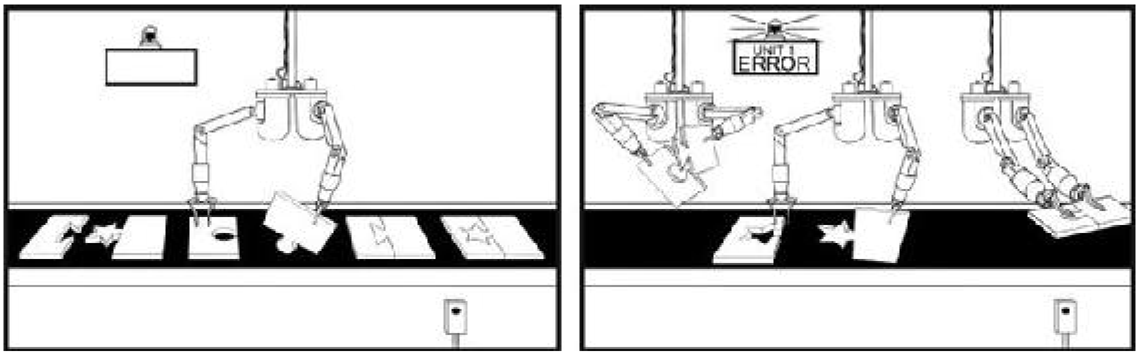
[illegible]

[illegible]

[illegible]

[illegible]

[illegible]11-1[illegible]“[illegible]”[illegible]



[illegible]11-1 [illegible]Vim[illegible]

[illegible]

[illegible]

[illegible]

[illegible]Vim[illegible]“[illegible]”[illegible]Vim[illegible]

[illegible]68[illegible]70[illegible]

[illegible]66 [illegible]

> [illegible]

[illegible]Vim[illegible]

[illegible]

[illegible]

[illegible]

[illegible]n[illegible]0[illegible]gg[illegible]

[illegible]

Vim[illegible]

[illegible] `l`[illegible]Vim[illegible]10[illegible]“[illegible]10[illegible]”[illegible]

[illegible] `w`[illegible]`b`[illegible]`e`[illegible] `ge`[illegible] `h`[illegible] `l`[illegible]“[illegible] `0`[illegible] `e`”[illegible]

[illegible]Vim[illegible]

[illegible]

Vim[illegible] k[illegible] j[illegible]Vim[illegible]“[illegible]”[illegible] ‘visualbell’[illegible] :h 'visualbell' ⓘ [illegible]

[illegible]Vim[illegible]

[illegible]pattern[illegible]10[illegible] n [illegible]9[illegible]

[illegible]8[illegible]n[illegible]

[illegible]a[illegible]10[illegible] @a[illegible] 10@a[illegible] 100@a[illegible] 1000@a[illegible]

[illegible]67 [illegible]

> [illegible]

[illegible]3[illegible]

the_vim_way/3_concat.js

```
var foo = "method("+argument1+","+argument2+")";
```

[illegible]

```
var foo = "method(" + argument1 + "," + argument2 + ")";
```

[illegible] ;. [illegible]

```
x = "("+a+","+b+","+c+","+d+","+e+")";
```

[illegible] ;. [illegible]

[illegible] 11;. [illegible] Vim [illegible]11[illegible] ; [illegible]1[illegible] . [illegible] ;11.[illegible]Vim[illegible]1[illegible] ; [illegible]11[illegible] .[illegible]11[illegible] ;.[illegible]

[illegible]11[illegible] ;.[illegible] qq;.q[illegible] qq[illegible]Vim[illegible]q[illegible] ;.[illegible] q[illegible]11[illegible] 11@q[illegible]11[illegible] ;.[illegible]

[illegible]11-1[illegible]

; [illegible] f+ [illegible] + [illegible] ; [illegible]

[illegible]11-1 [illegible]

[illegible]	[illegible]
{start}	**x** = "("+a+","+b+","+c+","+d+","+e+")";
f+	x = "("**+**a+","+b+","+c+","+d+","+e+")";
s + <Esc>	x = "(" +█a+","+b+","+c+","+d+","+e+")";
qq;.q	x = "(" + a +█","+b+","+c+","+d+","+e+")";
22@q	x = "(" + a + "," + b + "," + c + "," + d + "," + e +█")";

[illegible]10[illegible]11[illegible]10[illegible]

[illegible]22[illegible] @ [illegible]2[illegible]

[illegible]

[illegible] + [illegible]; [illegible]

[illegible]68 [illegible]

[illegible]

[illegible]

macros/consecutive-lines.txt

```
1. one
2. two
3. three
4. four
```

[illegible]

```
1) One
2) Two
3) Three
4) Four
```

[illegible]

[illegible]

[illegible]

[illegible]	[illegible]
qa	1. **o**ne 2. two
0f.	1**.** one 2. two

[illegible]	[illegible]
r)	1**)** one 2. two
w~	1) O**n**e 2. two
j	1) One 2. t**w**o
q	1) One 2. t**w**o

[illegible] 0[illegible]

[illegible] f. [illegible] l [illegible]

[illegible] 1 [illegible] 4 [illegible]

```
1. one
2. two
...
10. ten
11. eleven
```

[illegible] 9 [illegible] 0l [illegible] 10 [illegible] f. [illegible]

[illegible] f. [illegible] . [illegible] f. [illegible]

[illegible]

[illegible] @a[illegible] . [illegible] . [illegible]
) [illegible]

[illegible]3[illegible] @a [illegible] 3@a [illegible]

[illegible]	[illegible]
{start}	1) One 2. t**w**o 3. three 4. four
3@a	1) One 2) Two 3) Three 4) F**o**ur

[illegible]

macros/broken-lines.txt

```
1. one
2. two
// break up the monotony
3. three
4. four
```

[illegible]11-2[illegible]

[illegible]3[illegible]f. [illegible] . [illegible]
[illegible]

[illegible]11-2 [illegible]

[illegible]	[illegible]
{start}	**1**. one 2. two // break up the monotony 3. three 4. four
5@a	1) One 2) Two **/**/ break up the monotony 3. three 4. four

[illegible]Vim[illegible]5[illegible]3[illegible]

[illegible]

[illegible]30[illegible] . [illegible]

[illegible]	[illegible]
qa	**1**. one
0f.r)w~	1) O**n**e
q	1) O**n**e

[illegible]	[illegible]
jVG	1) One **2. two** **// break up the monotony** **3. three** **4. f**our
:'<,'>normal @a	1) One 2) Two // break up the monotony 3) Three 4) F**o**ur

[illegible] `j` [illegible]

`:normal @a` [illegible] Vim [illegible] 3 [illegible]

[illegible] 5@a [illegible] 5 [illegible] 3 [illegible] 5 [illegible] 3 [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]69 [illegible]

> [illegible]

[illegible]68[illegible]

[illegible]	[illegible]
qa	1. **o**ne 2. two
0f.r)w~	1) O**n**e 2. two
q	1) O**n**e 2. two

[illegible] q[illegible] j[illegible]

[illegible] a`` [illegible]

```
⇒ :reg a
[illegible] "a            0f.r)w~
```

[illegible] qa[illegible]Vim[illegible] a[illegible] qA[illegible]Vim[illegible] a[illegible]

□□□□	□□□□□
qA	1) O**n**e 2. two
j	1) One 2. t**w**o
q	1) One 2. t**w**o

□□□□□□□□□□ a□□□□□□

```
⇛ :reg a
□"a             0f.r□w~j
```

□□□□□□□□□□□□□□□□□□□□□□□ j□□□□

□□

□□□□□□□□□“□□□□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□□□□□□□□72□□□□□□□□□□□□□□□□□□□□
□□□□□

[illegible]70 [illegible]

[illegible]

[illegible]

macros/ruby_module/animal.rb

```
# ...[end of copyright notice]
class Animal
  # implementation
end
```

[illegible]

```
# ...[end of copyright notice]
module Rank
  class Animal
    # implementation...
  end
end
```

[illegible]

[illegible]

macros/rc.vim

```
set nocompatible
filetype plugin indent on
set hidden
if has("autocmd")
  autocmd FileType ruby setlocal ts=2 sts=2 sw=2 expandtab
endif
```

□□□□**‘:*do’**□□□□□□**‘hidden’**□□ □□□ `'hidden'`□□□□□□□□□
□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
code/macros/ruby_module □□

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38□□

```
⇛ :cd code/macros/ruby_module
⇛ :args *.rb
```

□□□□□□:args□□□□□□□□□□□

```
⇛ :args
□ [animal.rb] banker.rb frog.rb person.rb
```

□□□ `:first`□`:last`□`:prev`□□ `:next`□□□□□□□□□

□□

□□□□□□□□□□□□□□□□□□□□□

```
⇛ :first
```

□□□□□□□□□□

□□□□	□□□□□
qa	**#** ...[end of copyright notice] class Animal # implementation... end

[illegible]	[illegible]
gg/class**<CR>**	#...[end of copyright notice] **c**lass Animal # implementation... end
Omodule Rank<Esc>	#...[end of copyright notice] module Ran**k** class Animal # implementation... end
j>G	#...[end of copyright notice] module Rank **c**lass Animal # implementation... end
Goend<Esc>	#...[end of copyright notice] module Rank class Animal # implementation... end en**d**
q	# ...[end of copyright notice] module Rank class Animal # implementation... end en**d**

[illegible] gg [illegible] /class<CR> [illegible] “class” [illegible]

□□□ O □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ >G□□□
□□□□□□□□□□□□□□□□□□□ G□□□□□□□□□ o□□□□□□□□□□□□□□□□□
□□□ end□

□□□□□□□□□□□□□□□□□□□□ :w □□□□□□□□□□□□□□□□□

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:argdo□□□□□□□□□□□□□□□□□□□Ex□□□□□ :h :argdo ⓘ□□
□□□□□□□□ :argdo normal @a□□□□□□□□□

□□□□□□□□□ :argdo normal @a□□□□□□□□□□□□□□□□□□□□
□□

□□□□□□□□□□□□ :edit! □□□□□□□□□□□□□□□□□□□□ :h :edit! ⓘ□□

```
⇒ :edit!
```

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```
⇒ :argdo normal @a
```

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□□□□□□□□□□□□□□□□□□□□□11-3□□

□□□□□□ 3@a□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□:next□□□□□□□□□□□□□□□□□□□□□□□

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□11-3 □□□□□□□□

□□□□	□□□□□
qA	module Rank class Animal # implementation... end en**d**
:next	class Banker **#** implementation... end
q	class Banker **#** implementation... end
22@a	module Rank class Person # implementation... end en**d**

□□□□□□□□

□□□□□□□4□□□□□□□□□□□□□□□`:argdo write`□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□

```
⇒ :wall
```

> **□□□**
>
> □□□□□□□□□□□□□□□□□□□□□□□□□□`:argdo write`□□□`:h :wa`□□

[illegible] `:wnext` [illegible] `:h :wn` [illegible] `:write` [illegible] `:next` [illegible]

[illegible]

[illegible] 3 [illegible] `:argdo normal @a` [illegible]

[illegible] 68 [illegible]

[illegible] “[illegible]” [illegible]

[illegible]

□□71　□□□□□□□□□□□□□

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macros/incremental.txt

```
partridge in a pear tree
turtle doves
French hens
calling birds
golden rings
```

□□□□□□□□□□□□

```
1) partridge in a pear tree
2) turtle doves
3) French hens
4) calling birds
5) golden rings
```

□□□□□□□□□□□Vim□□□□□□□□□□□□□□□□□□ `<C-a>` □ `<C-x>` □□□□□□10□□□□□□□□□□□□□□16□□□□□□□□□□□□□□□□□□□□□Vim□□□

□□□Vim□□

□□□□□□□□□□□□□□□□let□□□□□□□□□□i□□□□□□□□0□□□□□ `:echo`□□□□□□□□□

```
⇒ :let i=0
⇒ :echo i
[illegible] 0
```

[illegible]i[illegible]

```
⇒ :let i += 1
⇒ :echo i
[illegible] 1
```

[illegible]:echo[illegible]16[illegible] <C-r>=i<CR>[illegible]i[illegible]

[illegible]

[illegible]

[illegible]	[illegible]
:let i=1	**p**artridge in a pear tree
qa	**p**artridge in a pear tree
I<C-r>=i<CR>)<Esc>	1)█partridge in a pear tree
:let i += 1	1)█partridge in a pear tree
q	1)█partridge in a pear tree

[illegible]i[illegible]1[illegible] i[illegible]2[illegible]

[illegible]

[illegible]11-4[illegible]

:normal @a[illegible]Vim[illegible]i[illegible]2[illegible]

[illegible]11-4 [illegible]

[illegible]	[illegible]
{start}	1) partridge in a pear tree turtle doves French hens calling birds golden rings
jVG	1) partridge in a pear tree **turtle doves** **French hens** **calling birds** **g olden rings**
:'<,'>normal @a	1) partridge in a pear tree 2) turtle doves 3) French hens 4) calling birds 5) golden rings

[illegible] <C-a> [illegible]

[illegible]72 [illegible]

> [illegible]69[illegible]

[illegible]

[illegible]a[illegible]

macros/mixed-lines.txt

```
1. One
2. Two
3. three
4. four
```

[illegible] ~ [illegible] `:h ~` ⓘ [illegible]vU[illegible] ~ [illegible] `:h v_U` ⓘ [illegible]

> [illegible]
>
> [illegible]70[illegible]
>
> ```
> ⇒ :reg a
> ⁇--- Registers ---
>  "a            Omoul<80>kb<80>kbdule Rank^[j>GGoend^[
> ```

> [illegible] ^[[illegible] <Esc> [illegible] <C-[> [illegible]Vim[illegible] ^[[illegible]ESC[illegible]
>
> [illegible] <80>kb[illegible]“moul”[illegible]“dule”[illegible]
>
> [illegible]Vim[illegible]

[illegible]

[illegible] a[illegible]

[illegible] G[illegible] a[illegible] `:put`[illegible]

```
⇛ :put a
```

[illegible] "ap [illegible]p[illegible]a[illegible] `:put`[illegible]

[illegible]

[illegible]11-5[illegible] ~ [illegible] vU[illegible]

[illegible]11-5 [illegible]

[illegible]	[illegible]
{start}	**0**f.r)w~j

□□□□	□□□□□
f~	0f.r)w~j
svU<Esc>	0f.r)wv**U**j

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□ 0f.r)wvUj^J
```

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{start}	// last line of the file proper 0f.r)wv**U**j
0	// last line of the file proper **0**f.r)wvUj
"ay $	// last line of the file proper **0**f.r)wvUj
dd	**/**/ last line of the file proper

□□□□□□ 0□□ "ay$□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □a□□□□□□□ dd□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[illegible]a[illegible]

[illegible]

[illegible]69[illegible]

[illegible]Vim[illegible]Vim[illegible]substitute() [illegible] :substitute[illegible] :h substitute() [illegible]

```
⇒ :let @a=substitute(@a, '\~', 'vU', 'g')
```

[illegible] :h function-list [illegible]

[illegible] [illegible]

[illegible]patterns[illegible]Vim[illegible]
[illegible]

[illegible]Ex[illegible]

[illegible]substitute[illegible]

[illegible]global[illegible]Ex[illegible]

[illegible]12[illegible] [illegible]

[illegible]substitute[illegible]global[illegible]Vim[illegible]Vim[illegible]

Vim[illegible] `very magic`[illegible]Vim[illegible]search field[illegible] `very nomagic`[illegible]

[illegible]Vim[illegible] \V[illegible]

[illegible]73 [illegible]

> [illegible]Vim[illegible]

[illegible]

[illegible] ‘ignorecase’[illegible]Vim[illegible]

```
⇒ :set ignorecase
```

[illegible]Vim[illegible]

[illegible]

[illegible] \c [illegible] \C[illegible]Vim[illegible] \c [illegible] \C[illegible]‘ignorecase’[illegible]

> **[illegible]**
>
> [illegible] \C [illegible]

[illegible]

Vim[illegible]‘smartcase’[illegible]‘ignorecase’[illegible]

[illegible]\C[illegible]\c[illegible]12-1[illegible]:h /ignorecase ⓘ [illegible]Vim[illegible]

[illegible]12-1 [illegible]

[illegible]	**‘ignorecase’**	**‘smartcase’**	[illegible]
foo	off	-	foo
foo	on	-	foo Foo FOO
foo	on	on	foo Foo FOO
Foo	on	on	Foo
Foo	on	off	foo Foo FOO
\cfoo	-	-	foo Foo FOO
foo\C	-	-	foo

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> □Perl□□□Vim□□□□□□□□□□□□□POSIX□□□□□□□Perl□□□□□□□□□□□□□□□□□□□□□□□□□□□ very magic□□□□□□□□□Vim□□□□□□□□□□□□□□□□□□

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patterns/color.css

```
body    { color: #3c3c3c; }
a        { color: #0000EE; }
strong  { color: #000; }
```

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```
⇒ /#\([0-9a-fA-F]\{6}\|[0-9a-fA-F]\{3}\)
```

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\v□□□□□□Vim□□□□□□□□□□□□□□□Perl□Python□□Ruby□□□□□ □□\v □□□□□□□□□□□□□□

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```
⇒ /\v#([0-9a-fA-F]{6}|[0-9a-fA-F]{3})
```

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```
⇒ /\v#(\x{6}|\x{3})
```

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#([0-9a-fA-F]{6}\□[0-9a-fA-F]{3})	□□magic□□□□□□□□□□ (□)□□ □□ { □□□□□□□□□□□
\v#([0-9a-fA-F]{6}□[0-9a-fA-F]{3})	□□ \v□□□□□□(□)□□ □□ { □□□□□□□□□□
\v#(\x{6}□\x{3})	□□ \x □□□□□ [0-9A-Fa-f] □□□□□□□□□□□

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patterns/excerpt-also-known-as.txt

```
The N key searches backward...
...the \v pattern switch (a.k.a. very magic search)...
```

□□□□□□“a.k.a.”□□□□also known as□□□□□□□□□□
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```
⇒ /a.k.a.
```

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□□□□□“backward”□□□□□□□□□□□□□□□□□□

□□□□	□□□□□
{start}	**T**he N key searches backward... ...the \v pattern switch (a.k.a. very magic search)...
/a.k.a.**<CR>**	The N key searches b**ackwar**d... ...the \v pattern switch (**a.k.a.** very magic search)...

[illegible]	[illegible]
/a.k.a.**<CR>**	The N key searches backward... ...the \v pattern switch (**a.k.a.** very magic search)...
/\Va.k.a.**<CR>**	The N key searches backward... ...the \v pattern switch (**a.k.a.** very magic search)...

[illegible] n[illegible] — [illegible] substitute[illegible] :%s//also␣known␣as/g[illegible] 91[illegible] :substitute[illegible] Vim[illegible]

[illegible] . [illegible] backward[illegible] "a.k.a" [illegible]

```
⇒ /a\.k\.a\.
```

[illegible] \V [illegible] very nomagic [illegible]

```
⇒ / \Va.k.a.
```

[illegible] Vim [illegible] "[illegible] "\V" [illegible]" [illegible] :h /\V ⓘ [illegible] 79 [illegible]

[illegible] very nomagic [illegible] \v [illegible] \V [illegible]

> [illegible] Vim [illegible]

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patterns/springtime.txt

```
I love Paris in the
the springtime.
```

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□□□□□□□□□□□□□□□□□□□□□□□□□□“□□□□”□[1]

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```
⇒ /\v<(\w+)\_s+\1>
```

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□“the the”□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□ `()` □ `\1`□□□□□□□□□□□□□□□□
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`\1`□`\2`□□□ `\9`□□□□ `()` □□□□□□□□□□□□□□□□□□ `\0`□□
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□□□ `very magic`□□□□□`<` □ `>` □□□□□□□□□□□□□□
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[illegible]XML[illegible] HTML [illegible]
[illegible] 94 [illegible] `:substitute`[illegible]
`{string}` [illegible]

[illegible]77 [illegible]

> [illegible]Vim[illegible]

[illegible]“the”[illegible]“these”[illegible]“they”[illegible]“their”[illegible] /the<CR> [illegible]

```
the problem with these new recruits is that
they don't keep their boots clean.
```

[illegible]“the”[illegible] very magic[illegible] < [illegible] > [illegible] /\v<the><CR>[illegible]

[illegible]

[illegible] \w[illegible]\W[illegible] \zs[illegible]\ze[illegible] <[illegible]>[illegible]78[illegible]\w[illegible]“_”[illegible]\W[illegible]

> [illegible]
>
> [illegible]
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> ```
> ⇒ /\v(And|D)rew Neil
> ```

[illegible]“Andrew”[illegible]“Drew”[illegible]“And[illegible]D”[illegible]% [illegible]Vim[illegible]\1[illegible]

```
⇒ /\v%(And|D)rew Neil
```

[illegible]

```
⇒ /\v(%(And|D)rew) (Neil)
⇒ :%s//\2, \1/g
```

[illegible]“Andrew”[illegible]“Drew”[illegible] \1[illegible]“Neil”[illegible]\2[illegible] %() [illegible]

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[illegible]very magic[illegible]

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{start}	**M**atch "quoted words"---not quote marks.
/\v"[^"]+"**<CR>**	Match **"quoted words"**---not quote marks.

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/\v"\zs[^"]+\ze"**<CR>**	Match "**quoted words**"---not quote marks.

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□□□□□Vim□□□□ `\zs`□ `\ze`□□□Perl□□□□□□□□Perl□Vim□□□□□□□□□□□□□□□□□□□□□□□□□ `\zs`□ `\ze`□□□□□□□□□□□□□□□□□□□□□□□

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□□□□□□□□□□□□□□□ `\zs` □ `\ze`□□□□□78□□□□ `/\v"\zs[^"]+\ze"<CR>`□□□□□□

```
➾ /\v"@<=[^"]+"@=
```

□□□□□□□□□□□□□□□□□□□ `\zs`□ `\ze`□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Vim□□□ `\zs`□ `\ze`□

[illegible]79 [illegible]

> \V[illegible] .[illegible]+ [illegible] * [illegible]
> [illegible]

[illegible] / [illegible]

[illegible]Markdown[illegible]

patterns/search-url.markdown

```
Search items: [http://vimdoc.net/search?q=/\\][s]
...
[s]: http://vimdoc.net/search?q=/\\
```

[illegible]URL “http://vim-doc.net/search?q=/\\”[illegible] \V [illegible]

[illegible] "uyi[[illegible]u[illegible]URL[illegible]URL[illegible]u[illegible] /\V<C-r>u<CR>[illegible]

```
⇒ /\Vhttp://vimdoc.net/search?q=/\\
```

[illegible]

```
Search items: [http: //vimdoc.net/search?q=/\\][s]
...
[s]: http://vimdoc.net/search?q=/\\
```

[illegible]URL[illegible]Vim[illegible] / [illegible] http:[illegible]

[illegible] /[illegible]very magic[illegible] \v[illegible] very nomagic[illegible] \V[illegible] / [illegible]

```
⇒ /\Vhttp:\/\/vimdoc.net\/search?q=\/\\
```

[illegible]

```
Search items: [http://vimdoc.net/search?q=/\\][s]
...
[s]: http://vimdoc.net/search?q=/\\
```

[illegible]

[illegible]?[illegible]

[illegible] ? [illegible] / [illegible] ? [illegible]

> **[illegible]**
>
> [illegible]u[illegible]URL[illegible]

```
⇒ ?http://vimdoc.net/search?q=/\\
```

[illegible]Vim[illegible]“http://vimdoc.net/search”[illegible]

```
Search items: [http://vimdoc.net/search?q=/\\][s]
...
[s]: http://vimdoc.net/search?q=/\\
```

[illegible]URL[illegible]?[illegible]

```
⇒ ?http://vimdoc.net/search\?q=/\\
```

[illegible]

```
Search items: [http://vimdoc.net/search?q=/\\][s]
...
[s]: http://vimdoc.net/search?q=/\\
```

[illegible] \

[illegible] \ [illegible] \\ [illegible] Vim [illegible]

[illegible] URL [illegible]

```
⇒ /\Vhttp:\/\/vimdoc.net\/search?q=\/\\\\
```

[illegible] URL [illegible]

```
Search items: [http://vimdoc.net/search?q=/\\][s]
...
[s]: http://vimdoc.net/search?q=/\\
```

[illegible]

[illegible]

[illegible] Vim [illegible] `escape({string}, {chars})` [illegible] `:h escape()` ⓘ [illegible]

`{chars}` [illegible] `escape(@u, '/\')` [illegible] `/` [illegible] `\` [illegible] `escape(@u,'?\')` [illegible]

□□□□□□□□□□URL□□□□□□□ u□□□□□□□ / □□ ? □□□□□□□□□□□□□□□□□□□□□□□□□□□□□ \V□ <C-r>=□□□□□□□□□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
⇛ =escape(@u, getcmdtype().'\')
```

□□ <CR> □□escape() □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□getcmdtype() □□□□□□□□□□□ / □□□□□□□□□□□□□□□□□ □□□□ :h getcmdtype()ⓘ□□□Vim□□□□. □□□□□□□□□□□□□□□□□□□□□ getcmdtype().'\'□□□“/\”□□□□□□□□□□□□“?\”□□□□□□□□□□□□□□□□□□□□□□□□□□□□ u□□□□□□□□□□□□□□□□□□□□□□

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> □□Vim□□□□□□□□□□□□□□□□□ /vim/e<CR>□□□□□□□□□□□□□□□□□□□□□□□83□□□□□□□□□□□□□□□□□□□□□
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[1] http://matt.might.net/articles/shell-scripts-for-passive-voice-weasel-words-duplicates/

[2] http://www.regular-expressions.info/lookaround.html

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[illegible]Vim[illegible]
[illegible]Vim[illegible]

[illegible]

[illegible]

[illegible] * [illegible]

[illegible]80 [illegible]

> [illegible]

[illegible]

[illegible] / [illegible]Vim[illegible] <CR> [illegible]Vim[illegible] <Esc> [illegible]

[illegible]Vim[illegible]Vim[illegible]“[illegible]”[illegible]

[illegible] 'wrapscan'[illegible] :h 'wrapscan' [illegible]

[illegible]

[illegible] / [illegible]Vim[illegible] ? [illegible]Vim[illegible] / [illegible] ? [illegible]

[illegible]

n [illegible]N[illegible] n[illegible] N[illegible]“[illegible]”[illegible]

n[illegible]83[illegible]“[illegible]”[illegible] / [illegible]n[illegible] ?[illegible]n[illegible]N[illegible]n[illegible]

[illegible] Vim [illegible]

[illegible]	[illegible]
n	[illegible]
N	[illegible]
/**<CR>**	[illegible]
?**<CR>**	[illegible]
gn	[illegible]
gN	[illegible]

[illegible] ? [illegible] N[illegible] /<CR>[illegible] n[illegible]

n[illegible] N[illegible] gn[illegible] gn[illegible]gn[illegible]84[illegible]

[illegible]

Vim[illegible]
<Up> [illegible]
34[illegible]85[illegible]

[illegible]81 [illegible]

> Vim[illegible]
> [illegible]

[illegible]Vim[illegible]‘hlsearch’[illegible] :h 'hlsearch' [illegible]

[illegible]

[illegible]

[illegible] :set nohlsearch [illegible] :se nohls [illegible] :se hls! [illegible]

Vim[illegible] :nohlsearch[illegible] :h :noh [illegible]

> [illegible]
>
> :noh <CR> [illegible]
>
> ```
> nnoremap<silent> <C-l>  :<C-u>nohlsearch<CR><C-l>`
> ```

> <C-l> [illegible] :h CTRL-L [illegible]
> [illegible]

[illegible]82 [illegible]

> [illegible]Vim[illegible]

[illegible]Vim[illegible] <CR> [illegible] ‘incsearch’[illegible] :h 'incsearch' ⓘ[illegible]Vim[illegible]Vim[illegible]

[illegible]	[illegible]
{start}	**T**he car was the color of a carrot.
/car	The **car** was the color of a carrot.
/carr	The car was the color of a **carr**ot.
/carr**<CR>**	The car was the color of a **carr**ot.

[illegible]“car”[illegible]Vim[illegible]“car”[illegible]“r”[illegible]Vim[illegible]“carrot”[illegible] <Esc> [illegible] <CR>[illegible]“carrot”[illegible]

[illegible]“carrot”[illegible]/carr<CR> [illegible]

‘incsearch’□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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□“car”□“carrot”□□□□□□□□□□□□□□□□□“car”□□□“carr”□Vim□□□□
□□□□□□□□□□□□“carrot”□□□□□□□□□□□□

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‘incsearch’□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“carrot”□
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□□□□substitute□□□□□□□□□

□□□□□□□□□□□□□□□□“carrot”□□□□□□□□□□□□□□□□<C-r><C-
w>□□“carr”□□□□□□□□
□“ot”□□□□□□□□□□□□□□□□□□□“carrot”□

□□□<C-r><C-w> □□
\v □□□<C-r><C-w> □□
□□□□□□□□ /\vcarrcarrot<CR>□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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[illegible]83 [illegible]

> [illegible]

[illegible]Vim[illegible] :h search-offset [illegible]

[illegible]“language”[illegible]

search/langs.txt

```
Aim to learn a new programming lang each year.
Which lang did you pick up last year?
Which langs would you like to learn?
```

[illegible]“lang”[illegible]3[illegible]substitute[illegible] :%s/lang/language/g[illegible]

[illegible] /lang<CR>[illegible] eauage<Esc> [illegible] ea[illegible]

[illegible] . [illegible]ne.[illegible]“lang”[illegible]n[illegible]e[illegible] . [illegible]3[illegible]

[illegible] ne.[illegible]“lang”[illegible]“languages”[illegible]

[illegible]“langsuage”[illegible]
[illegible]

[illegible]13-1[illegible]

[illegible] `/lang/e<CR>` [illegible]
[illegible] n[illegible] `.` [illegible]
[illegible]

[illegible]13-1 [illegible]

[illegible]	[illegible]
{start}	**A**im to learn a new programming lang each year. Which lang did you pick up last year? Which langs would you like to learn?
/lang/e**<CR>**	Aim to learn a new programming **lang** each year. Which **lang** did you pick up last year? Which **lang**s would you like to learn?
auage<Esc>	Aim to learn a new programming **lang**uag**e** each year. Which **lang** did you pick up last year? Which **lang**s would you like to learn?
n	Aim to learn a new programming **lang**uage each year. Which **lang** did you pick up last year? Which **lang**s would you like to learn?
.	Aim to learn a new programming **lang**uage each year. Which **lang**uag**e** did you pick up last year? Which **lang**s would you like to learn?
n.	Aim to learn a new programming **lang**uage each year. Which **lang**uage did you pick up last year? Which **lang**uag**e**s would you like to learn?

[illegible]

[illegible] n[illegible]

//e<CR>[illegible]Vim[illegible]

[illegible]

□□84 □□□□□□□□□□□□

> Vim□□□□□□□□□□□□□□□□□□□□□□□□gn□□□□□□□□□□□□□□□□□□□□

Vim□□□ gn □□□□Vim7.4.110□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□XmlDocument□XhtmlDocument□XmlTag□□□ XhtmlTag□

search/tag-heirarchy.rb

```
class XhtmlDocument < XmlDocument; end
class XhtmlTag < XmlTag; end
```

□□□□□□□□□□□□

```
class XHTMLDocument < XMLDocument; end
class XHTMLTag < XMLTag; end
```

□□□□□□□□□□□ gU{motion}□□□□□□□□□□□ :h gU□□□□□□ gn □□□□□□□□□□□□□□□□□□□□□ :h gn□□□□□□□□□□□□□□□□□□□ gn□□□□□□□□□□□□□□□□□□□□□gn□□□□□□□□□□□□□□□□□□□13-2□□□□□□□□□□

□□□□□□□□□□□□□□□ Xml □ Xhtml□□□□□/\vX(ht)?ml\C<CR>□□□□□□□□□□□ \C □□□□□□□□□□□□□□□□□□□□XML□□□□□ XHTML□□□

[illegible] gUgn [illegible] n [illegible] . [illegible]

[illegible]

[illegible] gUgn [illegible] . [illegible] . [illegible] . [illegible] n [illegible]

[illegible] gn [illegible] gn [illegible] . [illegible]

[illegible] **13-2** [illegible]

[illegible]	[illegible]
{start}	**c**lass XHTMLDocument < XMLDocument; end class XHTMLTag < XMLTag; end
/\vX(ht)?ml\C**<CR>**	class **XHTML**Document < **XML**Document; end class **XHTML**Tag < **XML**Tag; end
gUgn	class **X**HTMLDocument < **XML**Document; end class **XHTML**Tag < **XML**Tag; end
n	class XHTMLDocument < **XML**Document; end class **XHTML**Tag < **XML**Tag; end
.	class XHTMLDocument < **X**MLDocument; end class **XHTML**Tag < **XML**Tag; end

[illegible]	[illegible]
n.	class XHTMLDocument < XMLDocument; end class **X**HTMLTag < **XML**Tag; end
.	class XHTMLDocument < XMLDocument; end class XHTMLTag < **X**MLTag; end

[illegible] \C [illegible] \c[illegible] `n.` [illegible] `.` [illegible] gUgn [illegible] Xml [illegible] XML [illegible] `.` [illegible] XML [illegible]

[illegible] gU [illegible]

[illegible] dgn [illegible] cgnJson<Esc> [illegible] Json [illegible] `.` [illegible]

[illegible] `n.` [illegible] `.` [illegible] `.` [illegible]

[illegible] Vim 7.4.110 [illegible] gn [illegible] Vim [illegible]

[illegible]85 [illegible]

> [illegible]

[illegible]

search/quoted-strings.txt

```
This string contains a 'quoted' word.
This string contains 'two' quoted 'words.'
This 'string doesn't make things easy.'
```

[illegible]substitute[illegible]

```
This string contains a “quoted” word.
This string contains “two” quoted “words.”
This “string doesn't make things easy.”
```

1. [illegible]

[illegible]

```
⇒ /\v'.+'
```

[illegible] ' [illegible] ' [illegible]

```
This string contains a 'quoted' word.
This string contains 'two' quoted 'words.'
```

```
This 'string doesn't make things easy.'
```

[illegible] .+ [illegible]

2. [illegible]

[illegible] . [illegible] ' [illegible] [^']+ [illegible]

```
⇒ /\v'[^']+'
```

[illegible] /<Up> [illegible] <Left> [illegible] . [illegible]

[illegible]

```
This string contains a 'quoted' word.
This string contains 'two' quoted 'words.'
This 'string doesn't make things easy.'
```

[illegible] ' [illegible]

3. [illegible]

[illegible] “won't” [illegible] “don't” [illegible] “we're” [illegible] ' [illegible] ' [illegible]

```
⇒ /\v'([^']|'\w)+'
```

[illegible] '\w [illegible]

□□□□□□□ /<Up> □□□□□□□□□□□□□□□□ q/ □□□□□□□□□□□□□□□□□ Vim □□□
Vim□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ c%(<C-r>") <Esc>
□□□□□□□□55□□□15□

□□□□	□□□□□
{start}	\v'[^']+'
f[	\v'**[**^']+'
c%(<C-r>")<Esc>	\v'([^']**)**+'
i□'\w<Esc>	\v'([^']□'**w**)+'

□□□□□□□□□□□□□ <CR> □□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
This string contains a 'quoted'word.
This string contains 'two' quoted 'words.'
This 'string doesn't make things easy.'
```

□□□□

4. □□□□□□

□□□□□□□□□□□□□□□□□□□□substitute□□□

```
⇒ /\v'(([^']|'\w)+)'
```

[illegible] /<Up> [illegible] q/ [illegible] \1[illegible]substitute[illegible]

```
⇒ :%s//“\1”/g
```

[illegible]Vim[illegible]91[illegible]

```
This string contains a “quoted” word.
This string contains “two” quoted “words.”
This “string doesn't make things easy.”
```

[illegible]

[illegible]

```
⇒ :%s/\v'(([^']|'\w)+)'/“\1”/g
```

[illegible]

[illegible]Vim[illegible]

[illegible] ‘incsearch’ [illegible]Vim[illegible]

[illegible]86 [illegible]

> [illegible]

[illegible]“buttons”[illegible]

search/buttons.js

```
var buttons = viewport.buttons;
viewport.buttons.previous.show();
viewport.buttons.next.show();
viewport.buttons.index.hide();
```

[illegible]

```
⇒ \<buttons>\
```

[illegible]n[illegible]N[illegible]Vim[illegible] :substitue[illegible] :vimgrep[illegible]

[illegible]‘:substitute’[illegible]

[illegible]

```
⇒ /\<buttons\>
⇒ :%s///gn
[illegible] 5 matches on 4 lines
```

[illegible]:substitute [illegible]n [illegible]Vim [illegible]n [illegible]

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□‘:vimgrep’□□□□□□□□

:substitute□□□n□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□5□□□□□□□□3□□:vimgrep□□□□□□□□□□□□□□□

```
⇛ /\<buttons\>
⇛ :vimgrep //g %
□(1 of 5) var buttons = viewport.buttons;
```

□□□□□□□□□□□□□□□□□□□quickfix□□□□□ :vimgrep□□□□□□□□□ □□□□□□□□□□□□□□□□% □□□□□□□□□□□□□□□□□□□ `:h cmdline-special`□□□□□□□□□□□□□:vimgrep□□□□□□□□□□

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```
⇛ :cnext
□(2 of 5) var buttons = viewport.buttons;
⇛ :cnext
□(3 of 5) viewport.buttons.previous.show();
⇛ :cprev
□(2 of 5) var.buttons = viewport.buttons;
```

□□1 of 5□□□2 of 5□□□□□□□□□□□□□□□□□□□□□□□□□□

quickfix□□□□□□□□□□□□□□□□□ Vim □□□□□□□□□□□□□□□17□□ □□□□□□□□□□□□□

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□□□□	□□□□□
{start}	**She sells se a** shells by the sea shore.
*****	**She sells sea shells by the s** ea shore.

□□□□□□□□□□□□□□3□□□□□□□□□□□□“sea”□□□□□ * □□□□□□□□□□□□□□□□“sea”□□□□□□□□□□□□□□□□□□□□□□□□□□□ * □□□□□□□□□□□□□□

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[illegible]

```
:vmap X y/<C-R>"<CR>
```

> **[illegible]**
>
> [illegible] '.' [illegible] '*' [illegible]

[illegible]y[illegible]/<C-r>"<CR> [illegible]Vim[illegible]

[illegible]79[illegible]

[illegible]

[illegible]Vim[illegible]

patterns/visual-star.vim

```
xnoremap * :<C-u>call <SID>VSetSearch('/')<CR>/<C-R>=@/<CR><CR>
xnoremap # :<C-u>call <SID>VSetSearch('?')<CR>?<C-R>=@/<CR><CR>

function! s:VSetSearch(cmdtype)
 let temp = @s
 norm! gv"sy
 let @/ = '\V' . substitute(escape(@s, a:cmdtype.'\'), '\n',
'\\n', 'g')
 let @s = temp
endfunction
```

[illegible] vimrc[illegible]visual star search[illegible][1][illegible]

[illegible] * [illegible]# [illegible]Xnoremap[illegible] :h mapmode-x ⓘ[illegible]

[1] https://github.com/nelstrom/vim-visual-star-search

[illegible]14[illegible] [illegible]

[illegible]substitute[illegible]Ex[illegible]substitute[illegible]

[illegible]Vim[illegible]substitute[illegible]

Vim[illegible]substitute[illegible]

[illegible]

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```
:[range]s[ubstitute]/{pattern}/{string}/[flags]
```

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□□ substitute □□□□□□□□□□□□□□□□Vim□□□□□□“E486: □□□□”□□□e□□□□□□□□□□

[illegible] & [illegible]Vim[illegible]substitute[illegible]93[illegible]

[illegible]

[illegible]12[illegible] `:h sub-replace-special` [illegible]

[illegible]	[illegible]
\r	[illegible]
\t	[illegible]
\\	[illegible]
\1	[illegible]1[illegible]
\2	[illegible]2[illegible] \9[illegible]
\0	[illegible]
&	[illegible]
~	[illegible] :substitute[illegible] {string}
\={Vim script}	[illegible] {Vim Script} [illegible] {string}

\r[illegible]\t[illegible]\ [illegible]93[illegible] ~ [illegible]substitute[illegible]94[illegible]\1[illegible] \2[illegible]

\={Vim script} [illegible]{string} [illegible]95[illegible]96[illegible]

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substitution/get-rolling.txt

```
When the going gets tough, the tough get going.
If you are going through hell, keep going.
```

□□□□□□going□□□rolling□□□□□ ‘hlsearch’□□□□□□□□Vim□□□□□□□□□□□□□□□81□□

```
⇒ :set hlsearch
```

□□substitute□□□□□□□□□□□□□□□□□ {pattern} □□□□□□{string}□

□□□□	□□□□□
:s/going/rolling	**W**hen the rolling gets tough, the tough get **going**. If you are **going** through hell, keep **going**.

□□□□□□□Vim□□□□□“going”□□□“rolling”□□□□□□□□□□□□□□

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[illegible]substitute[illegible] g[illegible]g[illegible]global[illegible]“[illegible]”[illegible]**Vim**[illegible]Vim[illegible]“[illegible] ed”[illegible]

[illegible] u[illegible]substitute[illegible] /g[illegible]

[illegible]	[illegible]
:s/going/rolling/g	**W**hen the rolling gets tough, the tough get rolling. If you are **going** through hell, keep **going**.

[illegible]going[illegible]rolling[illegible]substitute[illegible]

[illegible]substitute[illegible] %[illegible]

[illegible]	[illegible]
:%s/going/rolling/g	When the rolling gets tough, the tough get rolling. **I**f you are rolling through hell, keep rolling.

substitute[illegible]Ex[illegible]Ex[illegible]28[illegible]

[illegible]substitute[illegible]x[illegible]y[illegible] g[illegible] % [illegible]

[illegible]93[illegible]substitute[illegible]

[illegible]90 [illegible]

> [illegible] c[illegible] :substitute[illegible]

[illegible]5[illegible]

the_vim_way/1_copy_content.txt

```
...We're waiting for content before the site can go live...
...If you are content with this, let's go ahead with it...
...We'll launch as soon as we have the content...
```

[illegible]“content”[illegible]“copy”[illegible] c[illegible]substitute[illegible]

```
⇒ :%s/content/copy/gc
```

[illegible] c[illegible]Vim [illegible]“[illegible]copy ?”[illegible] y[illegible] n[illegible]Vim[illegible]

[illegible] yny[illegible]

[illegible]Vim[illegible]“y/n/a/q/l/^E/^Y”[illegible]

[illegible]	[illegible]

[illegible]	[illegible]
y	[illegible]
n	[illegible]
q	[illegible]
l	“last” —— [illegible]
a	“all” —— [illegible]
<C-e>	[illegible]
<C- y >	[illegible]

[illegible] `:h :s_c` [illegible]Vim[illegible]

[illegible]

[illegible]Vim[illegible]-[illegible] `<Esc>` [illegible]

[illegible]5[illegible]

[illegible]

[illegible]91 [illegible]

[illegible]substitute[illegible]Vim[illegible]

[illegible]substitute[illegible]

[illegible]Vim[illegible]

[illegible]substitute[illegible]85[illegible]

```
⇒ :%s/\v'(([^']|'\w)+)'/“\1”/g
```

[illegible]

```
⇒ /\v'(([^']|'\w)+)'
⇒ :%s//“\1”/g
```

[illegible]substitute[illegible]

[illegible]substitute[illegible]85[illegible]

[illegible]87[illegible]Vim[illegible] * [illegible] * [illegible]

[illegible]substitute[illegible]

[illegible]

[illegible]substitute[illegible]
substitute[illegible]

```
⇒ :%s/\n/,
```

[illegible]

[illegible]

[illegible]Vim[illegible]substitute[illegible]Ex[illegible] `:h cmdline-history` [illegible]substitute[illegible]

[illegible]substitute[illegible] `<C-r>/` [illegible]

```
⇒ :%s/<C-r>//“\1”/g
```

[illegible]substitute[illegible]

[illegible]92 [illegible]

> [illegible]

[illegible]91[illegible]substitute[illegible]Vim[illegible]substitute[illegible]substitute[illegible]

[illegible]

[illegible] <C-r>{register}[illegible]substitute[illegible]

```
⇒ :%s//<C-r>0/g
```

[illegible] <C-r>0[illegible]Vim[illegible]0[illegible]substitute[illegible]

[illegible]0[illegible] & [illegible]0[illegible]

[illegible]

[illegible]

[illegible]0[illegible]substitute[illegible]

```
⇒ :%s//\=@0/g
```

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```
⇒ :%s/Pragmatic Vim/Practical Vim/g
```

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```
⇒ :let @/='Pragmatic Vim'
⇒ :let @a='Practical Vim'
⇒ :%s//\=@a/g
```

□□□:let @/='Pragmatic Vim' □□□□□□□□□□□□□□□□□□□□□□□□□□□□□ /Pragmatic Vim<CR>□□□□□□□□□□ :let @/='Pragmatic Vim' □□□□□□□□□□□□□□□□□

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[illegible]a[illegible] :%s//\=@a/g[illegible] @/ [illegible] @a[illegible] a[illegible] :%s//\=@a/g[illegible]

[illegible]

□□93 □□□□□substitute□□

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```
⇛ :s/target/replacement/g
```

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```
⇛ :%s//~/&
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substitution/mixin.js

```
mixin = {
  applyName: function(config) {
    return Factory(config, this.getName());
  },
}
```

□□□□□□□□□□□□□

```
mixin = {
  applyName: function(config) {
    return Factory(config, this.getName());
  },
  applyNumber: function(config) {
    return Factory(config, this.getNumber());
  },
}
```

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{start}	mixin = { **a**pplyName: function(config) { return Factory(config, this.getName()); }, }
Vjj	mixin = { **applyName: function(config) {** **return Factory(config,** **this.getName());** **} ,** }
yP	mixin = { **a**pplyName: function(config) { return Factory(config, this.getName()); }, applyName: function(config) { return Factory(config, this.getName()); }, }
:%s/Name/Number/g	mixin = { applyNumber: function(config) { return Factory(config, this.getNumber()); }, applyNumber: function(config) { **r**eturn Factory(config, this.getNumber()); }, }

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u	mixin = { **a**pplyName: function(config) { return Factory(config, this.getName()); }, applyName: function(config) { return Factory(config, this.getName()); }, }
gv	mixin = { applyName: function(config) { return Factory(config, this.getName()); }, **applyName: function(config) {** **return Factory(config, this.getName());** **} ,** }
:'<,'>&&	mixin = { applyName: function(config) { return Factory(config, this.getName()); }, applyNumber: function(config) { return Factory(config, this.getNumber()); }, }

> □□ &□□

& [illegible] :s[illegible]
[illegible]& [illegible]

[illegible] & [illegible] :&& [illegible]
[illegible] & [illegible]

```
nnoremap & :&&<CR>
xnoremap & :&&<CR>
```

技巧94　交换两个或更多CSV字段的位置

> 使用子匹配和替代表达式，我们可以交换记录中的字段，这里以精简的模式为例。

假设有如下 CSV 格式的文件，其中包含了一些电子邮件地址以及姓和名的信息：

substitution/subscribers.csv

```
last name,first name,email
neil,drew,drew@vimcasts.org
doe,john,john@example.com
```

现在假设我们要将这些字段的位置进行交换，使电子邮件位于第一列，名在第二列，而姓在第三列。为此，可以使用下列substitute命令来完成此项任务：

```
➾ /\v^([^,]*),([^,]*),([^,]*)$
➾ :%s//\3,\2,\1
```

在这个模式中，[^,] 会匹配除逗号外的任意字符。因此，([^,]*) 不仅会匹配0个或多个连续的非逗号字符，还会将匹配结果保存为子匹配（参见技巧76）。我们把它重复了3次，以分别捕获CSV文件的3个字段中的每一个字段。

我们可以用\n[1] 记法引用这些子匹配。这样，在替换域中，\1会引用姓，\2会引用名，\3会引用电子邮件。将每行分解成不同的字段后，我们可以按照所需的顺序重新排列这些字段，即 \3、\2、\1 ——电子邮件、名、姓。

下面是该命令的结果：

```
email,first name,last name
drew@vimcasts.org,drew,neil
john@example.com,john,doe
```

技巧95　使用表达式的结果进行替换

> 　　在替换字符串中，我们不仅可以引用寄存器中的内容，而且Vim脚本表达式的结果也可以被引用。借助这一功能，我们用一条substitute命令，就可以将文件中所有HTML标题的等级减一。

　　假定有如下HTML文档：

　　substitution/headings.html

```
<h2>Heading number 1</h2>
<h3>Number 2 heading</h3>
<h4>Another heading</h4>
```

　　我们想把文中所有的标题等级降一级，即 <h2> 变为 <h1>，<h3> 变为 <h2>，依此类推。换句话说，就是要将HTML标题标签中的数字减去1。

　　我们将substitute命令来完成这项工作。主要的思路是这样的：先写出一个匹配HTML标签中数字的模式，然后用substitute命令进行替换，Vim脚本表达式会将匹配到的数字减去1。当我们在全文范围内运行substitute命令时，所有HTML标题标签的等级都会改变。

匹配模式

　　我们唯一想改变的是标题标签中的数字，所以理想情况是，只匹配这些数字，而不匹配其他任何内容。我们不希望匹配所有数字，只想匹配那些紧跟在 <h或 </h后的数字。下面的模式可以满足这个要求：

```
➾ /\v\<\/?h\zs\d
```

　　这里的元字符 \zs用于排除匹配中的某些部分。在此，模式被简化为h\zs\d，它将匹配h以及紧跟其后的数字（如h1、h2等）。\zs的位置表明字母h将从匹配中被排除，即便它是广义模式匹配中不可或缺的一部分

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```
⇒ :%s//\=submatch(0)-1/g
```

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```
<h1>Heading number 1</h1>
<h2>Number 2 heading</h2>
<h3>Another heading</h3>
```

□□□HTML□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[illegible]96 [illegible]

> [illegible]Vim[illegible]dictionary[illegible]substitute[illegible]

[illegible]

substitution/who-bites.txt

```
The dog bit the man.
```

[illegible]“dog”[illegible]“man”[illegible]substitute[illegible]

[illegible]

```
⇒ :%s/dog/man/g
⇒ :%s/man/dog/g
```

[illegible]“dog”[illegible]“man”[illegible]“the man bit the man”[illegible]“man”[illegible]“dog”[illegible]“the dog bit the dog”[illegible]

[illegible]substitute[illegible]substitute[illegible]“dog”[illegible]“man”[illegible]

[illegible]

[illegible]-[illegible]Vim[illegible]

```
⇒ :let swapper={"dog":"man","man":"dog"}
⇒ :echo swapper["dog"]
□ man
⇒ :echo swapper["man"]
□ dog
```

□ "dog"□□“□”□□□ swapper□□□□□ "man"□□□□□

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```
⇒ /\v(<man>|<dog>)
```

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submatch()□□□□□□□□□□□□□□□□ :h submatch() ⓘ □□

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```
⇒ /\v(<man>|<dog>)
⇒ :%s//\={"dog":"man","man":"dog"}[submatch(1)]/g
```

□□

[illegible]“man”[illegible]“dog”[illegible]3[illegible]

[illegible]3[illegible]

[illegible]Vim[illegible]**Abolish.vim:**[illegible]**substitute**[illegible]

> Abolish.vim[illegible]substitute[illegible]
>
> [illegible]Tim Pope[illegible]Abolish[2] [illegible]Vim[illegible] `:Subvert`[illegible] `:S`[illegible]Vim[illegible] `:substitute`[illegible]“man”[illegible]“dog”[illegible]
>
> ```
> ⇒ :%S/{man,dog}/{dog,man}/g
> ```
>
> [illegible]substitute[illegible]“dog”[illegible]“man”[illegible]“DOG”[illegible]“MAN”[illegible]“Dog”[illegible]“Man”[illegible]

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```
refactor-project/
  about.txt
  Pragmatic Vim is a hands-on guide to working with Vim.

  credits.txt
  Pragmatic Vim is written by Drew Neil.

  license.txt
  The Pragmatic Bookshelf holds the copyright for this book.

  extra/
    praise.txt
    What people are saying about Pragmatic Vim...

    titles.txt
    Other titles from the Pragmatic Bookshelf...
```

□□□□□□□□“Pragmatic”□□□□□“Pragmatic Bookshelf”□□□□□□□□“Pragmatic Vim”□□□□□□□□□□□□□□□□□□□□□“Pragmatic Vim”□□□“Practical Vim”□□“Pragmatic Bookshelf”□□□□□

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```
⇛ /Pragmatic\ze Vim
```

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```
⇛ :%s//Practical/g
```

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□□:vimgrep□□□□□□□□□□

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```
⇛ /Pragmatic\ze Vim
⇛ :vimgrep // **/*.txt
```

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□□:cfdo□□□□□□□□□□□□substitute□□

vimgrep[illegible]quickfix[illegible]17[illegible]:copen[illegible]quickfix[illegible]quickfix[illegible] :cfdo[illegible] :h :cfdo ⓘ[illegible] :cfdo[illegible]hidden[illegible]

```
⇒ :set hidden
```

[illegible]38[illegible]

[illegible]quickfix[illegible]

```
⇒ :cfdo %s//Practical/gc
```

[illegible]c[illegible]90[illegible]

```
⇒ :cfdo update
```

:update[illegible] :h update ⓘ[illegible]

[illegible]

```
⇒ :cfdo %s//Practical/g | update
```

[illegible]Vim[illegible] | [illegible] shell [illegible]UNIX[illegible]| [illegible]“[illegible]”[illegible]Vim[illegible]| [illegible]Unix[illegible] :h :bar ⓘ[illegible]

[illegible]

[illegible]

```
⇒ /Pragmatic\ze Vim
⇒ :vimgrep // **/*.txt
⇒ :cfdo %s//Practical/gc
⇒ :cfdo update
```

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[2] https://github.com/tpope/vim-abolish

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```
:[range] global[!] /{pattern}/ [cmd]
```

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:global □ :vglobal□□□□□□

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> □□□ {pattern} □□□□□□□□□□□□□□□□□□□□□□

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global/episodes.html

```
<ol>
  <li>
    <a href="/episodes/show-invisibles/">
      Show invisibles
    </a>
  </li>
  <li>
    <a href="/episodes/tabs-and-spaces/">
      Tabs and Spaces
    </a>
  </li>
  <li>
    <a href="/episodes/whitespace-preferences-and-filetypes/">
      Whitespace preferences and filetypes
    </a>
  </li>
</ol>
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□URL□□□□□□□□ :global□
□□□□□□□□□□□

□ ':g/re/d' □□□□□□□□

□□□□□□ <a> □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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□□□ :global□□□□□□□□□□□□□□□□□□□□

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```
⇒ /\v\<\/?\w+>
⇒ :g//d
```

□□□Vimcasts.org□□□□□□□□□□□□□□□□□□□□□□□□□

```
Show invisibles
Tabs and Spaces
Whitespace preferences and filetypes
```

□ :substitute□□□□□□□□□:global□□□□□□□□□□□□□Vim□□□□□□□□□□□□□□□□□□□91□□□85□□□□□□

□□□□□□□□□□□□□ very magic□□□□□□74□□□□□□□□□□□□□□□□□□□\<□□□□□□□□□□□□□□□\/?□□□□□□□□□□□□□□□□□□□□□\w+□□□□□□□□□□□□□□□□□□>□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

> Grep□□□□□
>
> □□□□□□□□ :global□□□□□□□□
>
> ```
> ⇒ :g/re/p
> ```
>
> re□□regular expression□□ p□ :print□□□□□□□□□□[cmd]□□□□□□□□□□□ / □□□□□□□□□□“grep”□□□□□□□□

□ ':v/re/d' □□□□□□

□□□□□□□□□□□□□□□□□□□□□:vglobal□□□ :v□□□□ :g□□□□□□□□□□□□□□□□□□□□□□□□Ex□□□

□□□□□□URL□□□□□□□□□□□□ href□□□□□□□□□□□□□□□□□□□

```
⇒ :v/href/d
```

□□□□□□□“□□□□□□ href□□□□”□□□□□□□□

```
<a href="/episodes/show-invisibles/">
<a href="/episodes/tabs-and-spaces/">
<a href="/episodes/whitespace-preferences-and-filetypes/">
```

□□□□□□□□□□□□□□□□□□□□□□□□

□□100 □TODO□□□□□□

> □□□ :global□ :yank □□□□□□□□□□□□□□□ {pattern}□□□□□□□□□□□□

□□□□□□□□“TODO”□□□□□□

global/markdown.js

```
Markdown.dialects.Gruber = {
  lists: function() {
      // TODO: Cache this regexp for certain depths.
      function regex_for_depth(depth) { /* implementation */ }
  },
  "`": function inlineCode( text ) {
      var m = text.match( /(`+)(([\s\S]*?)\1)/ );
      if ( m && m[2] )
          return [ m[1].length + m[2].length ];
      else {
          // TODO: No matching end code found - warn!
          return [ 1, "`" ];
      }
  }
}
```

□□□□□TODO□□□□□□□□□□□□□□□□□□□□□□□□

```
⇒ :g/TODO
□ // TODO: Cache this regexp for certain depths.
        // TODO: No matching end code found - warn!
```

□□□□:print□ :global□□□□ [cmd]□□□□□□□□□□□□□□□□□□□“TODO”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□[illegible]“TODO”□[illegible]

□[illegible]a□[illegible] qaq□[illegible]qa□[illegible]vim□[illegible]a□[illegible] q□[illegible]

```
⇒ :reg a
□--- Registers ---
  "a
```

□[illegible]TODO□[illegible]

```
⇒ :g/TODO/yank A
⇒ :reg a
□"a // TODO: Cache this regexp for certain depths.
       // TODO: No matching end code found - warn!
```

□[illegible]A□[illegible]Vim□[illegible] a□[illegible]global□[illegible]“□[illegible] /TODO/ □[illegible] a□[illegible]”

□[illegible] `:reg a`□[illegible] a□[illegible]TODO□[illegible]Vim□[illegible] ^J□[illegible] "ap□[illegible] a□[illegible]

□[illegible]

□[illegible]TODO□[illegible]TODO□[illegible]

□[illegible] `:global`□[illegible] `:bufdo`□ `:argdo`□[illegible]TODO□[illegible]36□[illegible]

□[illegible]

```
⇒ :g/TODO/t$
```

[illegible] :t [illegible] 29 [illegible] TODO [illegible] TODO [illegible] :argdo [illegible] :bufdo [illegible]

[illegible]101 [illegible]CSS[illegible]

> [illegible]Ex[illegible] :global[illegible][cmd][illegible]Vim[illegible] :g/{pattern} [illegible]CSS[illegible]

[illegible] CSS [illegible]

global/unsorted.css

```
Line 1 html {
     -   margin: 0;
     -   padding: 0;
     -   border: 0;
     5   font-size: 100%;
     -   font: inherit;
     -   vertical-align: baseline;
     - }
     - body {
    10   line-height: 1.5;
     -   color: black;
     -   background: white;
     - }
```

[illegible]Vim[illegible] :sort[illegible]:h :sort [illegible]

[illegible]

[illegible] :sort[illegible]15-1[illegible]

[illegible] vi{[illegible] {} [illegible] :'<,'>sort[illegible]

[illegible]15-1 [illegible]

[illegible]	[illegible]
{start}	html **{** margin: 0; padding: 0; border: 0; font-size: 100%; font: inherit; vertical-align: baseline; }
vi{	html { **margin: 0;** **padding: 0;** **border: 0;** **font-size: 100%;** **font: inherit;** **vertical-align: baseline;** }
:'<,'>sort	html { **b**order: 0; font-size: 100%; font: inherit; margin: 0; padding: 0; vertical-align: baseline; }

[illegible]

[illegible] `:global` [illegible]

```
⇒ :g/{/ .+1,/}/-1 sort
```

[illegible]

```
html {
  border: 0;
  font-size: 100%;
  font: inherit;
  margin: 0;
  padding: 0;
  vertical-align: baseline;
}
body {
  background: white;
  color: black;
  line-height: 1.5;
}
```

[illegible]{} [illegible]CSS[illegible]

[illegible] :global[illegible]:global[illegible]

```
:g/{pattern}/[cmd]
```

[illegible]Ex[illegible]“[illegible]”[illegible]28[illegible]:global[illegible] [cmd][illegible]

```
:g/{pattern}/[range][cmd]
```

[illegible] :g/{pattern} [illegible] [cmd][illegible] [range][illegible]. [illegible] :global[illegible] {pattern} [illegible]

[illegible]Ex[illegible]Ex[illegible]

```
⇒ :.+1,/}/-1 sort
```

[illegible] .,/}/[illegible]“[illegible] /}/ [illegible]”[illegible] +1 [illegible] —1 [illegible] {} [illegible]

□□□□□□□□CSS□□□□□□□□□□□1□□□9□□□□□□Ex□□□□□□□ {} □□□□□□□□□□□□□□□□

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```
⇒ /{/
```

□□□□□□□□□□□□ {} □□□□□□□□□□□□□□□□□□□□□□□ :global □Ex□□ [cmd]□□□□□□

```
⇒ :g/{/ .+1,/}/−1 sort
```

□□□□□ { □□□□□ {} □□□□□□□□□□□□□□□:sort□□□□□□ {} □□□□□□[range] □□□□□□□□□□□□□□□CSS□□□□□□□□□□□□□□□

□□

:global□□□□□□□□□□

```
:g/{start}/ .,{finish} [cmd]
```

□□□□□□□“□□ {start} □□□□ {finish} □□□□□□□□□□□□□□[cmd]”□

□□ :global□□□□□Ex□□□Ex□□ :>□□□:h > □□□□□□□

```
⇒ :g/{/ .+1,/}/−1 >
□ 6 lines >ed 1 time
   3 lines >ed 1 time
```

> **□□□**
>
> □ :sort□□□□□□□□□ :> □□□□Vim□□□□□□□□□□□□□ [cmd] □□□□□ :slient□□□ :h :sil □□□□□□□□□□□□□

```
⇛ :g/{/sil .+1,/}/-1 >
```

[illegible] :g/{pattern} [illegible]

[illegible] [illegible]

“[illegible]”[illegible]UNIX[illegible]

Vim[illegible]make[illegible]grep[illegible]

[illegible]Vim[illegible]:vimgrep[illegible]

[illegible]Vim[illegible]

□16□ □□ctags□□□□□□□□□□□

ctags□□□□□□□□□□□□□□□□□□□□□ctags□□□□Vim□□□□□□Vim 6.0□□□□□□Vim□□□□□□□□□□□Vim□ctags□□□□□□□□□□□□□□□□□□□□□

Vim□□ ctags□□□104□□□□□□□□□□□□□□□□ctags□□□□□□□□□□□□□□□□□□□□ctags□□□□□□

□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□103□□□□□□Vim□□□ctags□□□□□□□□□□□□ctags□

□□102 □□ctags

> □□□□□Vim□□□□□□□□□□□□ ctags□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□Exuberant Ctags

Linux□□□□□□□□□□□□ ctags□□□□□□Ubuntu□□□□□□□□□□□□□□

```
⇒ $ sudo apt-get install exuberant-ctags
```

OS X□□□□□□□□□□ ctags□BSD□□□

> **□□□**
>
> □□□□Exuberant Ctags□□□□□□□□Exuberant Ctags□□□□□homebrew□□□□□□□□□□□□□□□

```
⇒ $ brew install ctags
```

□□□□□□□□□□□□□ctags□□□□□□□□

```
⇒ $ ctags --version
□ Exuberant Ctags 5.8, Copyright (C) 1996-2009 Darren Hiebert
   Compiled: Dec 18 2010, 22:44:26
   …
```

□□□□□□□□□□□□□□$PATH□□□□□□ /usr/local/bin□ /usr/bin□□□

> □□ctags□□□□□□□□□□□□□
>
> □□□ctags□□□□□□□□□□□□□□□□□□□□□□□□□□□--regex□--langdef□□--langmap□□□C□□□□□□□□□□□□□C□□
>
> □□□□ctags□□□□□□□□□□□□□□□□□□□□□□□□□□□gotags□□□□□□□□Go□□□□□□□□□□□ctags□□□□□□□□Go□□□□□[a]□□□□□□□□□□□□□□ctags□□□□□□□□Vim□□□□□
>
> □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Vim□□□□□□□□□
>
> a. https://github.com/jstemmer/gotags

□ctags□□□□□□□□

□□□□□□□□□□□ctags□□□3□Ruby□□□□□□□□□□□□□□□□□□□□□ctags□

```
⇛ $ cd code/ctags
⇛ $ ls
□ anglophone.rb francophone.rb speaker.rb
⇛ $ ctags *.rb
⇛ $ ls
□  anglophone.rb francophone.rb speaker.rb tags
```

> **□□□**
>
> ctags□□□□□□□ tags□□□□□□□□□□□ctags□□3□□□□□□□□□□□□□□□□□

□□□□□□

[illegible]

ctags/tags-abridged

```
!_TAG_FILE_FORMAT        2     /extended format/
!_TAG_FILE_SORTED        1     /0=unsorted, 1=sorted, 2=foldcase/
!_TAG_PROGRAM_AUTHOR       Darren Hiebert //
!_TAG_PROGRAM_NAME         Exuberant Ctags //
!_TAG_PROGRAM_URL         http://ctags.sourceforge.net
/official site/
!_TAG_PROGRAM_VERSION      5.8      //
Anglophone  anglophone.rb        /^class Anglophone < Speaker$/;"
c
Francophone  francophone.rb       /^class Francophone <
Speaker$/;"  c
Speaker speaker.rb   /^class Speaker$/;"  c
initialize  speaker.rb      /^ def initialize(name)$/;" f
speak  anglophone.rb        /^ def speak$/;"      f
class:Anglophone
speak  francophone.rb       /^ def speak$/;"      f
class:Francophone
speak  speaker.rb           /^ def speak$/;"       f
class:Speaker
```

[illegible]3[illegible]Vim[illegible]

[illegible]

[illegible]Ex[illegible]Ex[illegible] `:42`[illegible]42[illegible]

`ctags`[illegible]Ex[illegible] `:/pattern`[illegible]

[illegible]512[illegible] vi[illegible]

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□□□□□□□□□□□□□□□□□□□□3□□□ Anglophone□ Francophone □□ Speaker□3□□□□□□□□□ c□□□□□□□“□”□□ initialize□ speak□□□□ f□□□□□“□□”□

□□103 □□Vim□□ctags

> □□□□Vim□□□□□ctag□□□□□□□□□□□□□□□□□□□□□□□□□□Vim□□□□□□□□□□□□

□□Vim□□□□□□

'tags'□□□□□Vim□□□□□□□□□□□□□□:h 'tags' ⓘ□□□'tags'□□□./□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
⇒ :set tags?
□ tags=./tags,tags
```

□□□□□□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Vim□□:h tags-option ⓘ□□□□Vim□□□

□□□□□□□ ctags□□

□□□□□

□□□□**ctags**□□□□□□□□□□□□□□□ctags□□□□□□□□□□□□□□□□□□□ Vim □□□□□□□□□□□□

□□□□□□□□ctags

□□□□□□□□□Vim□□□□□ ctags□

```
⇒ :!ctags -R
```

□□□□□Vim□□□

□□□□□□□□□□□□ --exclude=.git □ --languages=-sql □□

```
⇒ :nnoremap <f5> :!ctags -R<CR>
```

□□□□□□□□ <F5> □□

□□□□□□□□□□□□ctags

Vim□□□□□□autocommand□□□ ctags□

```
⇒ :autocmd BufWritePost * call system("ctags -R")
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□ctags

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□repository□□

□Tim Pope□□Effortless Ctags with Git□□□□□□□□□□□ post-commit□post-merg``e□□ post-checkout□□□□□□□□□[1]□□□

□□

□□□

[illegible]ctags[illegible] ctags[illegible]

[illegible]

[illegible]104 [illegible]Vim[illegible]

> Vim[illegible] ctags[illegible] <C-]>[illegible] g<C-]> [illegible]Ex[illegible]

[illegible]

[illegible] <C-]>[illegible]

[illegible]	[illegible]
{start}	require './speaker.rb' class Anglophone < Speaker def speak puts "Hello, my name is #{@name}" end end **A**nglophone.new('Jack').speak
<C-]>	require './speaker.rb' **c**lass Anglophone < Speaker def speak puts "Hello, my name is #{@name}" end end Anglophone.new('Jack').speak

[illegible]Anglophone[illegible] Speaker[illegible]

□□□□	□□□□□
fS	require './speaker.rb' class Anglophone < **S**peaker def speak puts "Hello, my name is #{@name}" end end Anglophone.new('Jack').speak
<C-]>	**c**lass Speaker def initialize(name) @name = name end def speak puts "#{name}" end end

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```
Anglophone.new('Jack').speak
```

□□□ `Speaker`□`Francophone`□□ `Anglophone`□3□□□□□□□□ `speak`□□□□□□□□□□□□□□ `<C-]>` □□□Vim □□□□□□□□□□□□□□□□□

□□□ `Anglophone`□□ `speak`□□□□□□□□□□□□□Vim□□□□□□□□□□□□□□□□□

:h tag-priority ⓘ□

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```
# pri kind tag               file
1 F C f     speak            anglophone.rb
         class:Anglophone
         def speak
2 F   f      speak            francophone.rb
         class:Francophone
         def speak
3 F   f                           speak  speaker.rb
         class:Speaker
         def speak
Type number and <Enter> (empty cancels):
```

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:tprev□:tfirst□:tlast□□□□□unimpaired□□□□□□□□□□□□□
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g<C-]> □□□□□□ :h :tag ⓘ□ :h :tjump ⓘ□□

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:tjump/{pattern} □□□□□□□□ {pattern} □□□ /□□□□□□□□□□
□□ phone□□□□□□□□□□□□□□□□□□

```
⇒ :tjump /phone$
[illegible] # pri kind  tag
   1 F C c       Anglophone        anglophone.rb
              class Anglophone < Speaker
   2 F    c      Francophone        francophone.rb
              class Francophone < Speaker
   Type number and <Enter> (empty cancels):
```

[illegible]

[illegible]	[illegible]
<C-]>	[illegible]
g<C-]>	[illegible]
:tag {keyword}	[illegible] {keyword}[illegible]
:tjump {keyword}	[illegible] {keyword}[illegible]
:pop [illegible] **<C-t>**	[illegible]
:tag	[illegible]
:tnext	[illegible]
:tprev	[illegible]
:tfirst	[illegible]

[illegible]	[illegible]
:tlast	[illegible]
:tselect	[illegible]

---

[1] http://tbaggery.com/2011/08/08/effortless-ctags-with-git.html

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```
⇒ $ cd code/quickfix/wakeup
```

□□□□□□□□ gcc□□□quickfix□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□Shell□□□□□

□□□□ wakeup□□□3□□□□□Makefile□wakeup.c□□ wakeup.h□□shell□□□□□ make□□□□□□

```
⇒ $ make

□ gcc    -c -o wakeup.o wakeup.c
   wakeup.c:68: error: conflicting types for ‘generatePacket’
   wakeup.h:3: error: previous declaration of ‘generatePacket’ was
here
   make: *** [wakeup.o] Error 1
```

□□□Vim□□□□□□□□

□Vim□□□□□

□□□□□□□□shell□□□ make□□□□□□□Vim□□□□□□□□□□□□□□□□□□□□□ Makefile□□□□□□□ code/quickfix/wakeup□□□□□□□□□□□□Vim□

```
□ $ pwd; ls

   ~/code/quickfix/wakeup
    Makefile wakeup.c wakeup.h
⇛ $ vim -u NONE -N wakeup.c
```

□□□□□Vim□□□□ :make□□□□

```
⇛ :make

□ gcc   -c -o wakeup.o wakeup.c
   wakeup.c:68: error: conflicting types for  ‘generatePacket’
   wakeup.h:3: error: previous declaration of  ‘generatePacket’
was here
   make: *** [wakeup.o] Error 1

   Press ENTER or type command to continue
```

□□□□□□□□shell□□□ make□□□□□□□□□□□□□Vim□□□□□□□□□□□□□□□□□□Vim□□□□□ make□□□Vim□□□quickfix□□□□□□□□□□□□□□□□□□□□□□□□□□Vim□□□□□□□□□□□□□□□Vim□ quickfix□□□□□□□□ :h quickfix □□□□□□“□□ □□-□□-□□ □□”□

□□□:make□□Vim□□□□quickfix□□□□□□□□□□□□□□□□□□□□□□□□□□ wakeup.c□□□□□□□□□□□□

```
void generatePacket(uint8_t *mac, uint8_t *packet)
{
   int i, j, k;
   k = 6;
   for (i = 0; i <= 15; i++)
   {
      for (j = 0; j <= 5; j++, k++)
      {
```

```
        packet[k] = mac[j];
      }
   }
}
```

□□□□□□□□“□□□□□ ‘generatePacket’”□□□□□ :cnext□□□□□□quickfix□□□□□□□□□□□□□□□□□□□□□□□□□ wakeup.h□□□□□□□□

```
void generatePacket(char *, char *);
```

□□ uint8_t□□□□□□□□

```
void generatePacket(uint8_t *, uint8_t *);
```

□□□□□□□□□□□□□□ :make□

```
⇒ :write
⇒ :make
□ gcc     -c -o wakeup.o wakeup.c
  gcc -o wakeup wakeup.o
```

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□□ :make □□□□Vim□□

```
⇒ :make!
```

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> quickfix□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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:clast	□□□□□□□
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:cpfile	□□□□□□□□□□□□□□

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:cclose	□□quickfix□□
:cdo {cmd}	□quickfix□□□□□□□□□□{cmd}
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Quickfix[illegible]/[illegible]

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⇒ :5cnext
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[illegible]Quickfix[illegible]

[illegible] `:copen`[illegible] `quickfix`[illegible]Vim[illegible] `k`[illegible]`j` [illegible]quickfix[illegible]

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□□□□Vim□□□□□□ :make□□□□□nodelint [1]□□JSLint [2] □□□□□□□nodelint□□Node.js□□□□□□□□□□□NPM□□□□□□□[3]

```
⇒ $ npm install nodelint -g
```

□□□FizzBuzz□JavaScript□□□□□□□□□□□□□□

quickfix/fizzbuzz.js

```
var i;
for (i=1; i <= 100; i++) {
     if(i % 15 == 0) {
           console.log('Fizzbuzz');
     } else if(i % 5 == 0) {
         console.log('Buzz');
     } else if(i % 3 == 0) {
         console.log('Fizz');
     } else {
         console.log(i);
     }
};
```

□□‘:make’□□□□Nodelint

‘makeprg’□□□□□□□□ :make□□□□□□□□□ :h 'makeprg' ⓘ □□□□□□□□□□□□□Vim□□nodelint□

```
⇛ :setlocal makeprg=NODE_DISABLE_COLORS=1\ nodelint\ %
```

□□ % □□□□□□□□□□□□□□□□□□□□□□□□□□□□ ~/quickfix/fizzbuzz.js□□□Vim□□□ :make□□□shell□□□□□□□□

```
⇛ $ export NODE_DISABLE_COLORS=1
⇛ $ nodelint ~/quickfix/fizzbuzz.js
□ ~/quickfix/fizzbuzz.js, line 2, character 22: Unexpected '++'.
  for (i=1; i <= 100; i++) {
  ~/quickfix/fizzbuzz.js, line 3, character 15: Expected '===' ...
  if(i % 15 == 0) {
  ~/quickfix/fizzbuzz.js, line 5, character 21: Expected '===' ...
  } else if(i % 5 == 0) {
  ~/quickfix/fizzbuzz.js, line 7, character 21: Expected '===' ...
  } else if(i % 3 == 0) {
  ~/quickfix/fizzbuzz.js, line 12, character 2: Unexpected ';'.
  };
  5 errors
```

□□□□□□□nodelint□□ANSI□□□□□□□□□□□□□□□□□□□□ NODE_DISABLE_COLORS=1□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□Vim□□nodelint□□□□□□□□□□□□□□□□□□quickfix□□□□□□□□□□□□□□□□□□□□□nodelint□□□□□□□□□□□□□□ make□□□□□□□□□□□Vim□□□□□□□□□□□□□□□□□Vim□□□□□□nodelint□□□□□□□□□□□□□□□□□□□□□□

□Nodelint□□□□□□□Quickfix□□

‘errorformat’ □□□□□□□□□Vim□□□□□ :make□□□□□□□□□□□ :h 'errorformat'ⓘ□□□□□□□□□□□□□□□□□□□□□□□□□

```
⇛ :setglobal errorformat?
□ errorformat=%*[^"]"%f"%*\D%l: %m,"%f"%*\D%l: %m, ...[□□]...
```

□□□scanf□□□C□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□‘errorformat’□□□□□□□□□□□□□□□□□□□□□□□□%f□□□□□□%l□□□□□ %m□□□□□□□□□□□□□□□□□□□□□ :h errorformat ⓘ□

□□□□□□nodelint□□□□□□□□□□□□□□□□□□□□□□□

```
⇒ :setlocal efm=%A%f\,\ line\ %l\,\ character\ %c:%m,%Z%.%#,%-
G%.%#
```

□□□□□□□□□□□ :make□Vim□□□□□□□□□□□□nodelint□□□□□□□□□□□□□□□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□quickfix□□□□□□□□□□□□□□□□□□□106□□□□□□□□□□□□□□□□□□□□□

□□□□□□‘makeprg’□‘errorformat’

□□□□□□□ ‘errorformat’ □□□□□□□□□□□□□□□□□□□□□□□□□□ :compiler□□□□□□□□□□□□□□ ‘makeprg’ □ ‘errorformat’ □□□□□□□□□□□□□□ :h :compiler ⓘ□□

```
⇒ :compiler nodelint
```

:compiler□□□□□□□□□□□□□□□□□ ‘makeprg’□ ‘errorformat’□□□□□□□□□□□□nodelint□□□□□□□□□□□□□□□□□□□

quickfix/ftplugin.javascript.vim

```
setlocal makeprg=NODE_DISABLE_COLORS=1\ nodelint\ %
let &l:efm='%A'
let &l:efm.='%f\, '
let &l:efm.='line %l\, '
let &l:efm.='character %c:'
let &l:efm.='%m' . ','
let &l:efm.='%Z%.%#' . ','
let &l:efm.='%-G%.%#'
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Vim□□□□□□□□□□□□□□□

```
⇒ :args $VIMRUNTIME/compiler/*.vim
```

□□□

□□nodelint□□□□□□□□□□Vim□□□□□□□□□□□□□[4]□□□□□□□□nodelint□□JavaScript□□□□□□□□□□□□□□□□□autocommand□□□□□□□□□□□□□□□□□□□□□□□**A1.3**□□□□□□□□□□□□□□□ □

‘:compiler’□‘:make’□□□□□□□□□

□□□□□□□□□□□□□make□compile□□□□□□□□□□□Vim□□□□□ :make□ :compiler□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□markup formats□□

□□□□□□□□□□□□LaTeX□□□□□□□Vim□□□□□□□□□□ :make □□□□□ .tex□□□□□PDF□□□□□□□□□□□□□□□□□□□□□□□□□□JavaScript□□□□□□ :make□□□□□JSLint□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ :make□□□□□□□□□□□□

□Vim□□□ :make□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□quickfix□□□

---

[1] https://github.com/tav/nodelint

[2] http://jslint.com/

[3] http://nodejs.org/ □ http://npmjs.org/, □□□□

[4] https://github.com/bigfish/vim-nodelint

[illegible]18[illegible] [illegible]grep[illegible]vimgrep[illegible]

Vim[illegible]UNIX[illegible]—grep [illegible]

[illegible]Vim[illegible] :grep[illegible] grep[illegible]grep[illegible] ack[illegible]

[illegible]Vim[illegible]:vimgrep[illegible]Vim[illegible]vimgrep[illegible]

□□109　□□□□Vim□□□□grep

> Vim□ :grep□□□□□ grep□□□□ grep□□□□□□□□□□□□□□□□□□□□□□□□Vim□□□□□□□grep□□□□□□□□□□□□□□□□□□□quickfix□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□grep□Vim□□□

□□□□□□□□□grep

□□□□Vim□□□□□□□□□□□□□□□□□□□□□□□□“Waldo”□□□□□Vim□□ shell □□□□□□□□□

```
⇒ $ grep -n Waldo *
□ department-store.txt:1:Waldo is beside the boot counter.
   goldrush.txt:6:Waldo is studying his clipboard.
   goldrush.txt:9:The penny farthing is 10 paces ahead of Waldo.
```

□□□□□□□grep □□□□□□□□□□□□□□□□□□□□□□□□□□□□□-n□□□□□grep□□□□□□□□□□□□□

□□goldrush.txt□□9□□□□□shell□□□□□□□□

```
⇒ $ vim goldrush.txt +9
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□Vim□□□□grep

Vim□ :grep□□□□□□ grep □□□□□□□□ :h :grep ⓘ□□□□□□□□□□ Vim □□□ grep□□□□□□ shell □□□□□

```
⇛ :grep Waldo *
```

Vim□□□□□□□□□□shell□□□ grep -n Waldo *□Vim □□ grep □□□ quickfix □□□□□ :cnext/:cprev□□□□□□□17□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□ :grep Waldo *□□Vim□□□□□□ –n□□□□□□ grep□□□□□□□□□□□□□□□□□□□□□□□□□□□□quickfix□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□ grep □□□□□□□□□□□□□□□ -i □□□

```
⇛ :grep -i Waldo *
```

Vim□□□□□□□ grep -n -i Waldo *□□□□□□□□□□ –n□□□□□□□□□□□□□□□□□□□□□□ grep□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□110 □□grep□□

> Vim□ :grep□□□□□ grep□□□□□□□□ ‘grepprg’ □ ‘grepformat’ □□□□□□□□□ Vim □□

Vim□□□grep□□

□□Vim□ :grep□□□□‘grepprg’ □□□□□□□□□shell□□□□ :h 'grepprg' ⓘ□□ ‘grepformat’□□□□Vim□□□□□ :grep□□□□□□□□□□ :h 'grepformat' ⓘ□□□UNIX□□□□□□□□□□□□□□

```
grepprg="grep -n $* /dev/null"
grepformat="%f:%l:%m,%f:%l%m,%f  %l%m"
```

□□□□□□ ‘grepprg’ □□□□□□ $* □□□□□□□□□□□□□□□□ :grep□□□□□□□□

‘grepformat’□□□□□□□□□□□□□□□□□□□□□ :grep□□□□□□□□‘grepformat’ □□□□□□□□□□□□□□**Nodelint**□□□□□□□**Ouickfix**□□□□□□ ‘errorformat’□□□□□□□□□□□□□□□□□ :h errorformat ⓘ□

□□□□□□□□ %f:%l%m□□□□□□□□ grep□□□□□□

```
department-store.txt:1:Waldo is beside the boot counter.
goldrush.txt:6:Waldo is studying his clipboard.
goldrush.txt:9:The penny farthing is 10 paces ahead of Waldo.
```

□□□□□□□□%f□□□□□□□□□□□department-store.txt□□goldrush.txt□□%l□□□□□%m□□□□□□□□□□

‘grepformat’□□□□□□□□□□□□□□□□□□□□ %f:%l%m □%f %l%m□□□Vim□□□□□□□□□ :grep□□□□□

□□‘:grep’□□ack

ack□□□□ grep□□□□□□□□□□□□□□□□□grep□□□□□□ □□□□□□□□□□ http://betterthangrep.com□

□□□□□ ack□□Ubuntu□□□□□□□□□□

```
➾ $ sudo apt-get install ack-grep
➾ $ sudo ln -s /usr/bin/ack-grep /usr/local/bin/ack
```

□□□□□□□□□ ack□□□□□□□ ack-grep □□□□□□□□□□ □□□□□□□□□ ack□□□□□

□OS X□□□□Homebrew□□□□

```
➾ $ brew install ack
```

□□□□□□□□ ‘grepprg’ □ ‘grepformat’ □□□□□□□ :grep □□ ack□□□□□□ grep□□□□□ack□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□

```
➾ $ ack Waldo *
□ department-store.txt
   1:Waldo is beside the boot counter.

   goldrush.txt
   6:Waldo is studying his clipboard.
   9:The penny farthing is 10 paces ahead of Waldo.
```

□□□□□ ack□□□□□□□□□ ack□□ --nogroup□□□□□ grep –n□□□

```
➾ $ ack --nogroup Waldo *
□ department-store.txt:1:Waldo is beside the boot counter.
   goldrush.txt:6:Waldo is studying his clipboard.
   goldrush.txt:9:The penny farthing is 10 paces ahead of Waldo.
```

[illegible]grep -n[illegible]Vim[illegible]‘grepformat’[illegible]ack[illegible]grep[illegible]‘grepprg’[illegible]

```
⇒ :set grepprg=ack\ --nogroup\ $*
```

[illegible]ack[illegible]

Ack[illegible] --columm [illegible]ack[illegible]

```
⇒ $ ack --nogroup --column Waldo *
  department-store.txt:1:1:Waldo is beside the boot counter.
   goldrush.txt:6:1:Waldo is studying his clipboard.
   goldrush.txt:9:41:The penny farthing is 10 paces ahead of
Waldo.
```

[illegible]‘grepformat’[illegible]

```
⇒ :set grepprg=ack\ --nogroup\ --column\ $*
⇒ :set grepformat=%f:%l:%c:%m
```

[illegible]%c[illegible]

> [illegible]grep[illegible]
>
> [illegible]Vim[illegible]‘grepprg’[illegible]‘grepformat’[illegible]:grep[illegible]quickfix[illegible]Vim[illegible]
>
> [illegible]grep[illegible]POSIX[illegible]ack[illegible]Perl[illegible]:grep[illegible]ack[illegible]:Ack[illegible]

> Ack.vim [1] [illegible]fugitive.vim [2] [illegible] :Ggrep[illegible]git-grep[illegible]:grep[illegible] grep [illegible]
>
> [illegible]

□□111　□□Vim□□□□□□□□□□Grep

:vimgrep□□□□□□Vim□□□□□□□□□□□□□□□□□□□

□□□□□ grep/quotes □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□

```
quotes/
   about.txt
   Don' t watch the clock; do what it does. Keep going.

   tough.txt
   When the going gets tough, the tough get going.

   where.txt
   If you don' t know where you are going,
   You might wind up someplace else.
```

□□“going”□□□□□□□□□□□□□□□□□:vimgrep□□□Vim□□□□□□□□
□□□□□□□□

```
⇒ :vimgrep  /going/  clock.txt tough.txt where.txt
□  (1 of 3): Don' t watch the clock; do what it does. Keep going.
⇒ :cnext
□  (2 of 3): When the going gets tough, the tough get going.
⇒ :cnext
□  (3 of 3): If you don' t know where you are going.
```

:vimgrep□□□□□□□□□□□□□□□quickfix□□□□□□□□□□
□:cnext□:cprev□□□□□□□□□□□□□□□□106□□

□□□□tough.txt□□□□□□□□□□“going”□□□□:vimgrep□□□□□□□□
□□□□□□□□□□□□g□□□:vimgrep□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
⇒ :vim  /going/g  clock.txt tough.txt where.txt
□  (1 of 4): Don' t watch the clock; do what it does. Keep going.
```

□□□□□□4□□□□“going”□□□□□□quickfix□□□□□□□□□□□□□:substitute□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□g□□□□□□□□□□□□□□□□□□□□□□□□:substitute□□:vimgrep□□□□□□□□□g□□□□□□

□□□□□□□□□

□□□:vimgrep□□□□□□:h :vimgrep □□□

```
:vim[grep][!] /{pattern}/[g][j] {file} …
```

{file}□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
⇒ :vim  /going/g  *.txt
□  (1 of 4): Don' t watch the clock; do what it does. Keep going.
```

□□□□□□□/*□□□□□□□□□□□##□□□□□□□□□□□□□□□□□□□□□□□:h cmdline-special □□ :vimgrep□

```
⇒s :args  *.txt
⇒ :vim  /going/g ##
□  (1 of 4): Don' t watch the clock; do what it does. Keep going.
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□Ex□□□□□□□□□□□□□□□□□□□□□□:vimgrep□□:vimgrep□□□□□□

□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□:vimgrep□□□□□□□□□□□□□□□□□□□□□□:substitute□□□□□91□□□:global□□

[illegible]
[illegible]:vimgrep[illegible]“don't”[illegible]“Don't”[illegible]

```
⇒ /[Dd]on' t
⇒ :vim  //g *.txt
□  (1 of 2): Don' t watch the clock; do what it does. Keep going.
```

[illegible]:vimgrep[illegible]Vim[illegible] :grep [illegible]POSIX[illegible]85[illegible]

[illegible]:vimgrep[illegible]

[illegible]

```
⇒ :vim //g  ##
□  (1 of 2): Don' t watch the clock; do what it does. Keep going.
```

[illegible]

[illegible] <C-r>/ [illegible]

```
⇒ :vim /<C – r>//g  ##
```

[illegible]:vimgrep[illegible]

---

[1] https://github.com/mileszs/ack.vim

[2] https://github.com/tpope/vim-fugitive

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□included files□□□□□□□tag files□□□□□□□□□□□□□□114□□□□□
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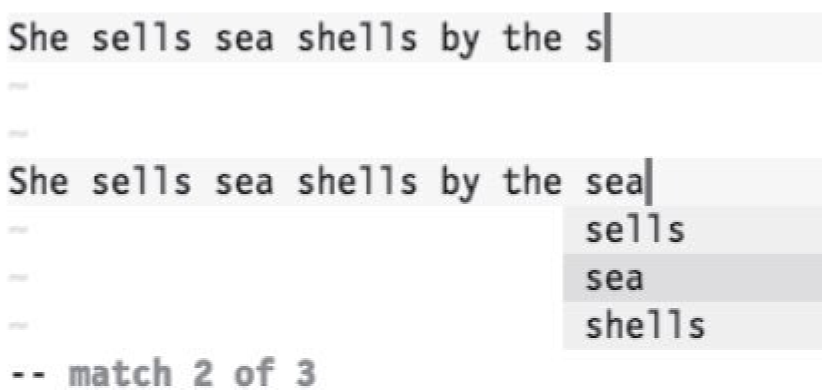
□□□□□□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□

[illegible]112 [illegible]Vim[illegible]

> [illegible]Vim[illegible]

Vim[illegible]Vim[illegible]

[illegible]Vim[illegible]



[illegible]“s”[illegible]3[illegible]“sells”[illegible]“sea”[illegible]“shells”[illegible]“She”[illegible]

> [illegible]
>
> ‘ignorecase’ [illegible]Vim[illegible]73[illegible]

> □□□□□□“She sells sea shells”□□□□□□□□“She”□□□□□“S”□□□□□□□□□□□□□□□□□□□□ ‘ignorecase ’ □□□□□□□□□S□□□□“She”□□□□□□□□□□□□□□□□□□□□□□□□“s”□□□□“She”□□□□□□□□□□□
>
> □□□□□□‘infercase’ □□□□□□□□□□□□□:h 'infercase' □□□□“she”□□□□□□□□□□□□□□□□□□□□□□□□□□□“s”□

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□□ <C-p> □ <C-n> □□□□□□□□□□□□□□□□□□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□□□

<C-p> □ <C-n> □□ <C-x> □□□□□□□□□□□□19-1□□□□□□□□□□□□□□□□□□ :h ins-completion □□□□□□□□□

□19-1 □□Vim□□□□□□□□

□□	□□□□
<C-n>	□□□□□
<C-x><C-n>	□□□□□□□□
<C-x><C-i>	□□□□□□□
<C-x><C-]>	□□□□□□□
<C-x><C-k>	□□□□

按键	执行操作
<C-x><C-l>	整行补全
<C-x><C-f>	文件名补全
<C-x><C-o>	全能（Omni）补全

当输入“She sells sea shells”时，我们用 <C-x><C-n>对关键字进行补全，把当前文件作为数据源，而不是 <C-n> 命令所用到的那组经过精心挑选的数据源（或被拖累的数据源，这依赖于你怎么看待它）。技巧114演示了在实际应用中如何用到这一特性。

在本书其余几个技巧中，我们将更深入地研究这些自动补全方式，首先从一些更专门的方式开始。

[illegible]113 [illegible]

> [illegible]

[illegible]Vim[illegible]19-2[illegible]

[illegible]Vim[illegible] `:h popupmenu-completion`[illegible]

[illegible] `<C-n>` [illegible] `<C-p>` [illegible] `<C-n>` [illegible] `<C-p>` [illegible]

[illegible]19-2 [illegible]

[illegible]	[illegible]
<C-n>	[illegible]*next*[illegible]
<C-p>	[illegible]*previous*[illegible]
<Down>	[illegible]
<Up>	[illegible]
<C-y>	[illegible]*yes*[illegible]
<C-e>	[illegible]*exit*[illegible]

[illegible]	[illegible]
<C-h> [illegible] <BS>[illegible]	[illegible]
<C-l>	[illegible]
{char}	[illegible] {char}

<C-n> [illegible] <Down> [illegible] <C-p> [illegible] <Up> [illegible] <C-p> / <C-n>[illegible] <Up> / <Down> [illegible]

[illegible]

[illegible] <Down> [illegible] <Up> [illegible] <Down> [illegible] <CR> [illegible] <C-y> [illegible]

[illegible]

[illegible] <Down> [illegible]<C-n> [illegible] <CR> [illegible]

[illegible] <C-p> [illegible] <C-n> [illegible] <Up> [illegible] <Down>[illegible] <C-p> [illegible] <C-n> [illegible] <CR> [illegible] <C-y> [illegible]47[illegible]

[illegible]

[illegible] <C-e> [illegible]

[illegible]

[illegible] <C-n><C-p>[illegible]<C-n> [illegible] <C-p>[illegible] <C-p><C-n> [illegible]Vim[illegible]

[illegible]20[illegible]3[illegible]

[illegible] <C-x><C-o><C-p> [illegible] <C-x><C-f><C-p> [illegible]

□□114 □□□□□□□□

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□□ <C-x><C-n>□□□ `:h compl-current` ⓘ□□□

□□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
⇒:ls!
```

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Vim[illegible]C[illegible] ‘include’ [illegible] :h 'include' [illegible]file-type[illegible]Vim[illegible]Ruby[illegible]Python[illegible] :set include?[illegible]Vim[illegible]

[illegible]

[illegible]16[illegible]Exuberant Ctags[illegible]ctags[illegible] tags [illegible]

[illegible]ctags[illegible] <C-x><C-]>[illegible] :h compl-tag [illegible]

[illegible]

[illegible]

[illegible] <C-n> [illegible] <C-x>[illegible]

> [illegible]
>
> [illegible] ‘complete’ [illegible] complete=.,w,b,u,t,i[illegible]
>
> ```
> ⇒ :set complete-=i
> ```
>
> [illegible]

```
⇒ :set complete+=k
```

□□□ :h 'complete' □□□□□□□□□□□□□

[illegible]115 [illegible]

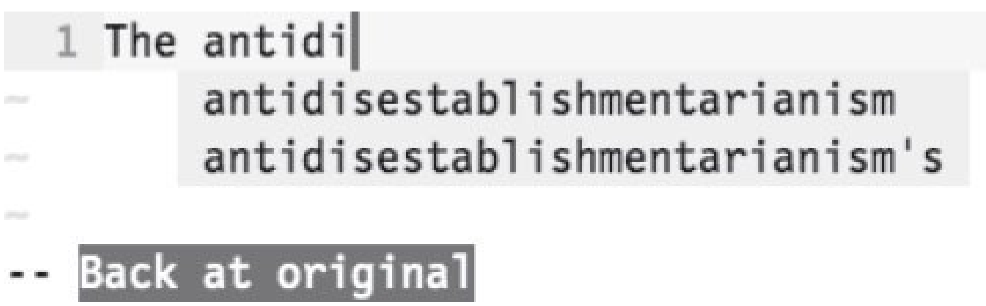
Vim[illegible]Vim[illegible]

[illegible]`<C-x><C-k>` [illegible] `:h compl-dictionary` ⓘ [illegible]

[illegible]Vim[illegible] `:set spell`[illegible]Vim[illegible]20[illegible] `<C-x><C-k>` [illegible]

[illegible]‘dictionary’ [illegible] `:h 'dictionary'` ⓘ [illegible]

[illegible]



[illegible]123[illegible]

□□116 □□□□□□□□

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auto_complete/bg-colors.css

```
.top {
   background-color: #ef66ef; }
.bottom {
```

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□□□	□□□□
{start}	.top { background-color:#ef66ef; } .bottom **{**
oba	.top { background-color: #ef66ef; } .bottom { ba

[illegible]	[illegible]
<C-x><C-l><Esc>	.top { background-color: #ef66ef; } .bottom { background-color: #ef66ef; **}**

[illegible]114[illegible]Vim[illegible]

[illegible] `<C-x><C-l>` [illegible]Vim[illegible]

[illegible]Ex[illegible]**‘**[illegible]**t’**[illegible]3[illegible]3[illegible]

[illegible]117 [illegible]

> [illegible]Vim[illegible]Vim[illegible]

[illegible]

auto_complete/help-refs.xml

```
Here's the "hyperlink" for the Vim tutor:
<vimref
href="http://vimhelp.appspot.com/usr_01.txt.html#tutor">tutor</vim
ref>.

For more information on autocompletion see:
<vimr
```

<vimref>[illegible] XML [illegible] Vim [illegible]:h ins-completion [illegible] <vimref>[illegible] usr_01 [illegible] insert[illegible] tutor [illegible] ins-completion[illegible]

[illegible] <vimref> [illegible] <vimref>[illegible] <vimref>[illegible]

[illegible] Vim [illegible]<vimref> [illegible]

[illegible]	[illegible]
{start}	<vim**r**
a <C – x><C – p>	<vimref█
<C – x><C-p>	<vimref>.█

<C – p>	**<vimref href**█
<C – x><C – p>	<vimref href="http█
<C – x><C-p>	<vimref href="http://vimhelp█

[illegible] a [illegible] <C-x><C-p> [illegible]vimr[illegible]vimref[illegible] <C-x><C-n> [illegible]

[illegible] <C-x><C-p> [illegible]Vim[illegible]vimref[illegible]Vim [illegible] vimref [illegible] vimref [illegible] Vim [illegible] <C-p> [illegible] <C-x><C-p>[illegible]Vim[illegible]XML[illegible] usr_01 [illegible] insert[illegible] tutor [illegible] ins-completion[illegible]

Vim[illegible] <C-x><C-l> [illegible]116[illegible]

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Vim□□□□□□□□□□□□□□□□□□□shell□□□□□□□□□□□□□□□□□□ :pwd□□□print working directory□□□□□□□□□□□□□ :cd {path} □□□change directory□□□□□□□□□□Vim□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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```
webapp/
  public/
    index.html
    js/
      application.js
```

□□□□□□□index.html□□□

auto_complete/webapp/public/index.html

```
<!DOCTYPE html>
<html>
   <head>
      <title>Practical Vim - the app</title>
      <script src="" type="text/javascript"></script>
   </head>
  <body></body>
</html>
```

□□□□□□□□ src="" □□□□□□application.js□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□

```
⇒ :pwd
[illegible] webapp
```

[illegible] webapp[illegible] src="public/js/application.js"[illegible] src="js/application.js"[illegible] public[illegible]

```
⇒ :cd public
```

[illegible]webapp/public[illegible]

[illegible]	[illegible]
i	<script src=""/>
js/ap	<script src="js/ap"/>
<C-x><C-f>	<script src="js/application.js"/>

[illegible]

```
⇒ :cd -
```

[illegible]shell[illegible]cd -[illegible] :h :cd- ⓘ [illegible]

[illegible]“[illegible]‘path’[illegible]”[illegible]Vim[illegible]Web[illegible]

□□119 □□□□□□□□

> □□□□□□Vim□□□intellsense □□[1]□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□CSS □□□□□□□□□□□

□□□□□□□□□ <C-x><C-o> □□□□□□ :h compl-omni ⓘ□□□□□□

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essential.vim

```
set nocompatible
filetype plugin on
```

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□19-1□□□□□CSS□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“ba”□□CSS□□□□□□□□□□□□□□□□□ background□ background-attachment□□□□□□□□□□□□□□□□□ background-color□□□□□□□□□□□□□□□□□□□□□□Vim□□□□□□□□□□□□□□□□□□□□□□3□□□□□#□rgb(□□ transparent□



[illegible]19-1　CSS[illegible]

CSS[illegible] `:h complete-functions` ⓘ[illegible]

---

[1]　intellsense [illegible]Intelligent Sense[illegible]
http://en.wikipedia.org/wiki/Intelli-sense[illegible]——[illegible]

[illegible]20[illegible] [illegible]Vim[illegible]

Vim[illegible]120[illegible]123[illegible]

Vim[illegible] 121 [illegible]
122 [illegible]

120

> Vim Vim

spell_check/yoru-moustache.txt

```
Yoru mum has a moustache.
```

Vim

```
⇒ :set spell
```

“Yoru” `SpellBad`

Vim 121

Vim

`[s` `]s` `:h ]s` ⓘ `z=` `:h z=` ⓘ Vim `z=`



[illegible] 1<CR>[illegible]“Your”[illegible] <Esc> [illegible]

[illegible] z= [illegible] 1z=[illegible]

[illegible]

[illegible]Vim[illegible]

[illegible]	[illegible]
]s	[illegible]
[s	[illegible]
z=	[illegible]
zg	[illegible]
zw	[illegible]
zug	[illegible]**zg**[illegible]**zw**[illegible]

[illegible]122[illegible] zg[illegible]zw [illegible] zug [illegible]3[illegible]

□□121 □□□□□□□□

> Vim□□
> □□□□□□□□□□□□

□□□□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
‘spelllang’ □□□□□ `:h 'spelllang'` ⓘ□□□□□□□□□□□□□
‘spelllang’ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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Vim□□□□□□□□□□□□□□□□□□□□□□□□□ `spelllang=en`□□□□□□
□□□□□□□□□□□□□□□□□□□□□□□□□□□“moustache”□□□□□□□□□
□“mustache”□□□□□□□Vim□□□□□□□□□□□□□□

□□□Vim□□□□□□□□

```
⇒ :set spell
⇒ :set spelllang=en_us
```

□□□□□□“moustache”□□□□□□□□□□“mustache”□□□□□□Vim□
□□□□□□□□ en_au□en*ca□en*gb□□en_nz□□□□□□□□□□□ `:h spell-remarks` ⓘ□

□□□□□□□□□

Vim□□□□□□□□□□□□□□□□□□□□□□□□□
`http://ftp.vim.org/vim/runtime/spell/` □□□□□□□□□□□□□
□□□□□□

[illegible]Vim[illegible]

```
⇒ :set spell
⇒ :set spelllang=fr
□ Cannot find spell file for "fr" in utf-8
   Do you want me to try downloading it?
   (Y)es, [N]o:
⇒ Y
□ Downloading fr.utf-8.spl
   In which directory do you want to write the file:
   1. /Users/drew/.vim/spell
   2.
/Applications/MacVim.app/Contents/Resources/vim/runtime/spell
   [C]ancel, (1), (2):
```

[illegible] spellfile.vim [illegible]Vim[illegible] :h spellfile.vim ⓘ [illegible] vimrc [illegible]

```
set nocompatible
plugin on
```

[illegible]122 [illegible]

> Vim[illegible]

[illegible]Vim[illegible] zg [illegible] :h zg [illegible] Vim [illegible]

[illegible]Vim[illegible] zw [illegible] zg [illegible] zw [illegible]Vim[illegible] zug[illegible] zg [illegible] zw [illegible]

Vim[illegible]

[illegible]UTF-8[illegible] zg [illegible] ~/.vim/spell/en.utf- 8.add [illegible]

[illegible]

[illegible] ‘spellfile’ [illegible] zg [illegible] zw [illegible] h 'spellfile' [illegible]

Vim[illegible]

[illegible]Vim[illegible] ciw[illegible] ‘spelllang’[illegible]Vim[illegible]Vim[illegible]Vim[illegible]Vim[illegible]

[illegible]

spell_check/spellfile.vim

```
setlocal spelllang=en_us
setlocal spellfile=~/.vim/spell/en.utf-8.add
setlocal spellfile+=~/books/practical_vim/jargon.utf-8.add
```

~/.vim/spell/en.utf-8.add[illegible] zg [illegible] ~/books/practical_vim/jargon.utf-8.add [illegible]Vim[illegible]

[illegible] 2zg[illegible]Vim[illegible] 1zg [illegible]

[illegible]123 [illegible]

> Vim[illegible]

[illegible]

[illegible]

[illegible]

```
⇒ :set spell
```

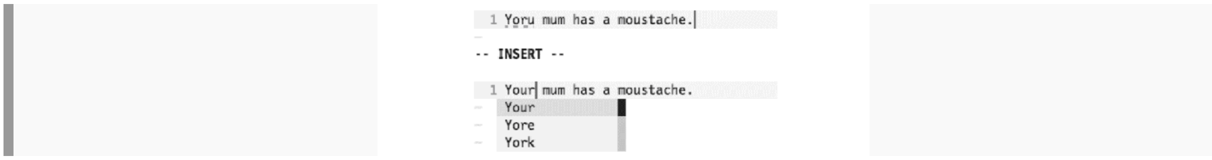
[illegible]

[illegible] [s [illegible] 1z= [illegible] A [illegible]

[illegible]

[illegible] <C-x>s [illegible] :h compl-spelling ⓘ [illegible] <C-x><C-s> [illegible] <C-x>s [illegible]

> **[illegible]**
>
> [illegible]



[illegible]120[illegible] z= [illegible]

[illegible]Vim[illegible]<C-x>s [illegible]Vim[illegible]113[illegible]

[illegible]<C-x>s [illegible] :set spelllang=en_us[illegible]“moustache”[illegible]<C-x>s[illegible]

[illegible]21[illegible] [illegible]

[illegible]—[illegible]

21.1 □□□□

□□□□□□□Vim□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“□□□□□□□Vim□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□

21.2 [illegible]Vim

[illegible]Vim[illegible]Vim[illegible]“[illegible] Vi[illegible]”[illegible]

[illegible] Vim [illegible] vimrc[illegible]Vim[illegible]A[illegible]

21.3 [illegible]

[illegible]Bram Moolenaar[illegible]*Seven Habits of Effective Text Editing*[illegible]“[illegible]”[illegible] [1][illegible] `vimrc`[illegible]Vim[illegible] `vimrc`[illegible]

[illegible]Vim[illegible]Vim[illegible]

[illegible]`vimrc`[illegible]`essential.vim`[illegible] `vimrc`[illegible]Vim[illegible] `vimrc`[illegible] `vimrc`[illegible]

[illegible] `vimrc`[illegible]github[illegible] `vimrc`[illegible][2][illegible]Vimcasts.org[illegible][3][illegible]

Vim[illegible] `:h license`[illegible]ICC[illegible][4] [illegible]Vim[illegible]

⇒ :x

---

[1] http://www.moolenaar.net/habits.html

[2] http://github.com/nelstrom/dotfiles

[3] http://vimcasts.org/

[1] http://iccf-holland.org/

[illegible]A [illegible]Vim

[illegible]Vim[illegible]Vim[illegible]

A.1 □□□□Vim□□□□

Vim□□□□□□□□□□□□□□□□□□□□□□□□□ :h option-list ⓘ□□□□□□ :set□□□□□□□□

□ ‘ignorecase’ □□□□□□□□□72□□□

```
⇒ :set ignorecase
```

□□□□□□□□□□□□□□□□□□□□□□□□“no”□

```
⇒ :set noignorecase
```

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```
⇒ :set ignorecase!
```

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
⇒ :set ignorecase?
□ ignorecase
```

□□□□□□□□ &□□□□□□□□□□□□□□□□□□□□

```
⇒ :set ignorecase&
⇒ :set ignorecase?
□  noignorecase
```

□□Vim□□□□□□□□□□□□□□□□□□□□□□□□’tabstop’ □□□□□□□□□□□□□□□□□□□□ :h 'tabstop' ⓘ□□□□□□□□□□□□□□□□□□□□□

```
⇒ :set tabstop=2
```

[illegible] set [illegible]

```
⇒ :set ts=2 sts=2 sw=2 et
```

> **[illegible]**
>
> ’softtabstop’[illegible]’shiftwidth’[illegible] ’exandtab’[illegible]Vim[illegible]Vimcasts[illegible][1][illegible]

[illegible]Vim[illegible]’ignorecase’ [illegible]ic[illegible] :se ic! [illegible] :se noic[illegible]Vim[illegible] vimrc[illegible]

Vim[illegible] :setlocal tabstop=4[illegible] ’tabstop’[illegible]

```
⇒ :bufdo setlocal tabstop=4
```

‘number’ [illegible] :setlocal number[illegible]Vim[illegible]

```
⇒ :windo setlocal number
```

[illegible] :setlocal[illegible] :set number[illegible]Vim[illegible]local setting[illegible]

A.2 [illegible]vimrc[illegible]

[illegible]Vim[illegible]

[illegible] :source {file} [illegible] {file} [illegible] :h :source [illegible]Vim[illegible]Ex[illegible]Vim[illegible]

[illegible]

customizations/two-space-indent.vim

```
" Use two spaces for indentation
set tabstop=2
set softtabstop=2
set shiftwidth=2
set expandtab
```

[illegible]

```
⇒ :source two-space-indent.vim
```

[illegible] :source[illegible]Ex[illegible]Vim[illegible]

[illegible]Vim[illegible] vimrc[illegible]Vim[illegible] vimrc[illegible]Vim[illegible]

Vim[illegible] vimrc[illegible] :h vimrc [illegible]UNIX[illegible]Vim[illegible] ~/.vimrc[illegible]Windows[illegible] $HOME/_vimrc[illegible]Vim[illegible]

```
⇒ :edit $MYVIMRC
```

$MYVIMRC□Vim□□□□□□□□□□□□ vimrc□□□□□□□□□□
vimrc□□□□□□□□□□□□□□□□□Vim□□□□□□□□□□

```
⇛ :source $MYVIMRC
```

□□ vimrc□□□□□□□□□□□□□□□□□□□□□□□:so%□

A.3 [illegible]

[illegible] Ruby[illegible]JavaScript[illegible]4[illegible]vimrc[illegible]

customizations/filetype-indentation.vim

```
if has("autocmd")
    filetype on
    autocmd FileType ruby setlocal ts=2 sts=2 sw=2 et
    autocmd FileType javascript setlocal ts=4 sts=4 sw=4 noet
endif
```

autocmd[illegible]Vim[illegible]Vim[illegible] :h :autocmd [illegible] FileType[illegible]Vim[illegible]

[illegible] nodelint[illegible]JavaScript[illegible]

```
autocmd FileType javascript compiler nodelint
```

[illegible]JavaScript[illegible] FileType[illegible]

[illegible]vimrc[illegible] vimrc[illegible]ftplugin[illegible] vimrc[illegible]JavaScipt[illegible]
~/.vim/after/ftplugin/javascript.vim[illegible]

customizations/ftplugin/javascript.vim

```
setlocal ts=4 sts=4 sw=4 noet
compiler nodelint
```

[illegible] vimrc[illegible]JavaScript[illegible]Ruby[illegible] ftplugin/ruby.vim[illegible] :h ftplugin-name [illegible]

[illegible]ftplugin[illegible]vimrc[illegible]

```
filetype plugin on
```

---

[1] http://vimcasts.org/e/2

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□□□□(www.epubit.com.cn)□□□□□□□□□□IT□□□□□□□□□□2015□8□□□□□□

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[illegible]

[illegible]

[illegible]IT[illegible]Web[illegible]1000[illegible]400[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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[illegible]

[illegible]100[illegible]=1[illegible] [illegible]

> [illegible]
>
> [illegible]“**57AWG**”[illegible]“[illegible]”[illegible]8[illegible]

[illegible]

[illegible]



SOFT SKILLS
软技能
代码之外的生存指南
软技能：代码之外的生存指南
[美]约翰 Z. 森梅兹（John Z. Sonmez）(作者)
王小刚 (译者)
杨海玲 (责任编辑)
分享
6
推荐
想读
9.0K
阅读
这是一本真正从“人”（而非技术也非管理）的角度关注软件开发人员自身发展的书。书中论述的内容既涉及生活习惯，又包括思维方式，凸显技术中“人”的因素，全面讲解软件行业从业人员所需知道的所有“软技能”。
本书聚焦于软件开发人员生活的方方面面，从揭秘面试的流程到精彩地作出一份杀手级简历，从创建大受欢迎的博客到打造你的个人品牌，从提高自己工作效率到与如何与“拖延症”做斗争，甚至包括如何投资不动产，如何关注自己的健康。
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